Manitoba Sustainable Development Innovations Fund

Annual Report 2006-2007

Manitoba

Fonds des innovations de développement durable Manitoba

Rapport annuel 2006-2007

Manitoba

MINISTER OF CONSERVATION

Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

The Honourable John Harvard, C.M.
Lieutenant Governor of Manitoba
Government House
Winnipeg, Manitoba

Your Honour:

I am pleased to present you with the Annual Report of the Sustainable Development Innovations Fund for the period of April 1, 2006 to March 31, 2007.

Yours sincerely,

Stan Struthers

Stan Struthers
Minister of Conservation

Manitoba

Conservation Pollution Prevention

123 Main Street, Suite 160
Winnipeg MB R3C 1A5
CANADA

The Honourable Stan Struthers
Minister of Conservation
Room 330, Legislative Building
Winnipeg MB R3C 0V8

Dear Sir:

It is my pleasure to present the Annual Report of the Sustainable Development Innovations Fund (SDIF) for the 2006-2007 fiscal year.

The SDIF has been described as a unique fund that promotes sustainable development concepts and stimulates the development of ideas by providing seed funding to worthwhile projects. During 2006-2007, approximately $3.2 million was awarded from the Fund to support community organizations, businesses, educational institutions, youth groups, government agencies, and others in carrying out innovative projects, activities, research and developments.

In addition, in response to the Provincial Auditor General's report, a project was initiated in cooperation with the International Institute for Sustainable Development (IISD) to develop an evaluation framework with objectives that are results-oriented and measurable for the Fund. This project, now entering its second phase, intends to ensure that the Fund continues to meet its goal of contributing to Manitoba's environmental sustainability.

Respectfully submitted,

Laurie Streich
Director

TABLE OF CONTENTS

TITLE	PAGE
PREFACE	1
NEW PROJECTS APPROVED DURING THE 2006/2007 FISCAL YEAR SDIF OPEN FUND CATEGORY:	15
ECO-TOURISM	16
ECOSYSTEM CONSERVATION	18
ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION	23
NORTHERN COMMUNITY DEVELOPMENT AND ENVIRONMENTAL ISSUES	26
SUSTAINABLE AGRICULTURAL PRACTICES	31
SUSTAINABLE COMMUNITY DEVELOPMENT	33
UNDERSTANDING OUR ENVIRONMENT	43
SPECIAL INITIATIVES - Green Building Policy Coordination Unit	57
BROAD ALLOCATIONS CATEGORY:	59
- ENVIRONMENTAL YOUTH CORPS (EYC)	60
- MANITOBA CLIMATE CHANGE ACTION FUND (MCCAF)	68
- WASTE REDUCTION AND POLLUTION PREVENTION (WRAPP) FUND	73
- WATER STEWARDSHIP FUND	81
- Zebra Mussel Program	89
- BEAR SMART INITIATIVE	91
- MANITOBA FORESTRY ASSOCIATION WOODLOT PROGRAM	94
- ORPHAN MINE SITE ASSESSMENT PROGRAM	99
APPENDIX I FIVE YEAR PROJECT SUMMARY	101

PREFACE

Organization of Report

The format of the 2006/2007 Sustainable Development Innovations Fund (SDIF) Annual Report is similar to previous Annual Reports in that funded projects are presented by category and program areas.

Projects are listed under the following categories:

SDIF Open Category:
- SDIF Open Category Priority Areas
- Special Initiatives
  - Manitoba Green Buildings Policy Coordination Unit

Broad Allocations Category:
Targeted Funding Initiatives are as follows:
- Environmental Youth Corps
- Manitoba Climate Change Action Fund
- Waste Reduction and Pollution Prevention Fund
- Water Stewardship Fund

Departmental and Government Strategic Priorities are as follows:
- Bear Smart Initiative
- Manitoba Forestry Association Woodlot Program
- Orphan Mine Site Assessment Program

Purpose

In 1989, the provincial government created the Environmental Innovations Fund under *The Environment Act*., The Environmental Innovations Fund was repealed from the *Environment Act* in fiscal year 1992/1993 and a new Fund, the Sustainable Development Innovations Fund was enacted under Section 17(1) of *The Sustainable Development Act*, which came into force on July 1, 1998 to support and promote sustainable development initiatives throughout the Province of Manitoba. In fiscal year 2000/2001, new funding categories were established under the Fund.

As stated in *The Sustainable Development Act,* the purpose of the Fund, is to 'provide grants in support of innovative projects, activities, research and developments that further the sustainability of Manitoba's economy, environment, human health and social well-being and support environmentally sustainable economic growth; and support any other sustainable development innovation purpose that the Lieutenant Governor in Council considers necessary or advisable'.

The goal of the SDIF is to contribute to Manitoba's environmental sustainability. This approach indirectly takes into account the economy, human health and social well-being. The SDIF achieves its purpose through targeted funding initiatives and programs, implemented through an application or proposal process. The SDIF has two fund categories: an Open Fund Category and a Broad Allocations Category. Both categories and its designated programs align with Manitoba Conservation priorities, as well as other government initiatives. The SDIF supports Manitoba based projects or projects that will be of benefit to Manitoba and contribute to meeting the objectives of the SDIF:

1. To support and promote innovation in the environmental and sustainable development industries.
2. To encourage environmentally sound decisions and actions.
3. To promote research and demonstration of new initiatives not addressed by existing programs.
4. To stimulate economic development and diversification that will improve the quality of life, and strengthen community identity, throughout Manitoba.
5. To demonstrate new approaches to prevent waste and pollution, and conserve resources.
6. To support activities that may benefit both the global and local environment.

The two fund categories, SDIF Open Category and Broad Allocations Category, contribute towards the protection, enhancement, conservation, or rehabilitation of Manitoba's environment. Funding support is provided for the development, implementation and promotion of innovative environmentally sustainable projects delivered by local government and provincial government departments, business and industry, community and youth groups, Aboriginal organizations, First Nation communities and educational institutions.

As well as supporting special initiatives, the Open Category has established the following priority areas:

- environmental innovation and demonstration,
- ecosystem conservation,
- sustainable community development,
- northern community development and environmental issues,
- sustainable agricultural practices, and
- eco-tourism.

The Broad Allocations Category supports targeted funding initiatives and government strategic priorities, including:

- youth participation,
- waste reduction and prevention,
- climate change,
- water quality and conservation, and
- natural resource conservation.

Source of Revenue

The amount appropriated to the SDIF through the annual Estimates process is notionally linked to the annual expenditures from the Fund or to the anticipated revenues derived from Environmental Protection Taxes (EPT) on alcohol beverage containers and disposable diapers, from the Provincial Sales Tax (PST) on the Environmental Handling Charges (EHC) imposed by the Lubricating Products Industry, and from the Retail Sales Tax (RST) collected on levies applied to the sale of non-deposit beverage containers and tires.

Communication

The Fund is promoted through the following activities:

- Manitoba Government websites, including Manitoba Conservation, Manitoba Science, Technology, Energy and Mines, and Manitoba Water Stewardship
- Community events, trade shows, exhibitions, and speaking engagements
- Ministerial news releases
- Acknowledgement in publications, printed material, and signage of funded projects
- Listings in various funding directories
- Provincial government offices and staff
- Word of mouth.

Process and Fund Management

The Pollution Prevention Branch of Manitoba Conservation is designated as the administrating branch for the Fund under *The Sustainable Development Act* and provides overall administrative support to the Fund, including the Open Category and Broad Allocations Category. This includes responding to inquiries, preparing documentation and reports, tracking expenditures, preparing cash flows, and reporting to Treasury Board.

The Branch also manages the SDIF Open Fund Category and two of the targeted funding initiatives under the Broad Allocations Category – Environmental Youth Corps (EYC) and Waste Reduction and Pollution Prevention (WRAPP) Fund.

The Manitoba Climate Change Action Fund (MCCAF) is managed by Manitoba Energy, Science and Technology and the Water Stewardship Fund, which includes the Zebra Mussel Program, is managed by

Manitoba Water Stewardship. The remaining allocations under the Broad Allocations Category are managed by other Manitoba Conservation branches.

The SDIF Open Category and Broad Allocation Categories, including the Environmental Youth Corps (EYC), Manitoba Climate Change Action Fund (MCCAF), Waste Reduction and Pollution Prevention (WRAPP) Fund, and Water Stewardship Fund use a similar application or proposal process.

Applications or proposals submitted for funding consideration are evaluated by provincial staff against the funding program's criteria. The evaluations are compiled and summarized and then submitted for review to an Advisory Committee, comprised of representatives from provincial government departments.

The Advisory Committee reviews the proposals and the evaluations and makes funding recommendations to the Minister of Conservation or delegated Minister. The Minister has delegated approval authority for projects receiving funding of $25,000 or less. Projects to be awarded funding in excess of $25,000 are subject to Treasury Board approval.

Projects requesting support under the SDIF Open Category are assessed against the following criteria:

- addresses one or more of the priority areas;
- demonstrates measurable progress towards achieving one or more of the Fund's objectives;
- promotes a sustainable approach, has clear environmental benefits, and takes into account benefits to the community and the economy;
- involves youth;
- has written support and has identified other financial or in-kind project support;
- has a realistic budget and uses appropriate resources to conduct the project;
- has a distinct start and finish, and will be implemented in a timely fashion;
- will be conducted in Manitoba or benefit Manitoba;
- has a clear, concrete plan for future use, sharing, or replication.

Ineligible applications and funding requests under the SDIF Open Category include:

- projects that will result in proprietary knowledge which will be held exclusively by the grant recipient;
- applications for debt financing or cost recovery purposes;
- purchase of playground and recreational equipment;
- purchase of real property, including land, buildings or vehicles;
- ongoing administration and established operational budgets; and
- initiatives that must be undertaken as a result of a government order, such as removal of petroleum distribution systems, investigations, and remediation.

Manitobans are major beneficiaries of the Fund with the intended direct impact of the funded projects being on the natural environment. By supporting environmentally sound and sustainable practices, the Fund assists with facilitating behavioral changes of individuals, households, businesses and institutions.

During 2006/2007, a total allocation of $3.4 million was authorized to support the SDIF for the following categories:

SDIF Open Category

Broad Allocations Category

1. Targeted Funding Initiatives
   - Environmental Youth Corps (EYC)
   - Manitoba Climate Change Action Fund (MCCAF)
   - Waste Reduction and Pollution Prevention (WRAPP) Fund
   - Water Stewardship Fund

2. Departmental and Government Strategic Priorities
   - Bear Smart Initiative
   - Manitoba Forestry Association Woodlot Program
   - Orphan Mine Site Assessment Program

In total, approximately $3.2 million was expended against a total of $3.4 million. Sixty new projects and one special initiative were allocated funding from the SDIF Open Category in 2006/2007, expending approximately $1.3 million. New projects funded under the SDIF Open Category included ventures that focus on Aboriginal interests, youth programming, training initiatives and scientific research and analysis. The seven targeted broad allocations expended approximately $1.9 million.

A summary of project expenditures under the Fund's Open Category and Broad Allocations Category is presented on the following pages.

SDIF OPEN CATEGORY SUMMARY — PRIORITY PROGRAM AREAS

Eco-tourism:

A total of $26,500.00 was expended in 2006/2007 for three projects under the eco-tourism category. The projects approved under this category are initiatives that address ecosystem preservation, public education and economic opportunities through tourism with a priority on rural and northern communities.

Ecosystem Conservation:

A total of $155,800.00 was expended in 2006/2007 for seven projects under the ecosystem category. The objectives of this category are to conserve resources, preserve and maintain urban forests and ecosystems and rehabilitate and revitalize degraded areas.

Environmental Technology Innovation and Demonstration:

A total of $183,399.19 was expended in 2006/2007 for three projects under the environmental technology innovation and demonstration category. Projects supported within this category include feasibility studies, research and development of new products and processes, environmental technology demonstrations, and special projects, such as strategic studies relating to industrial sectors.

Northern Community Development and Environmental Issues:

A total of $60,330.00 was expended during the 2006/2007 fiscal year for four projects funded in the northern community development and environmental issues category. Projects under this category should reflect the enhancement of the environment and sustainable economic development activities of northern and remote communities, with a priority on Aboriginal communities.

Sustainable Agricultural Practices:

A total of $85,810.00 was expended during the 2006/2007 fiscal year for four projects under the sustainable agricultural practices category. Projects supported within this category include research, demonstration, and feasibility studies on agricultural practices that protect the environment and assist in diversifying Manitoba's agricultural sector.

Sustainable Community Development:

A total of $286,500.00 was expended during the 2006/2007 fiscal year for 16 projects under the sustainable community development category. Sustainable community practices include eco-efficiency initiatives, environmental stewardship, capacity building mechanisms, and encouragement of inner city revitalization, with an emphasis on partnerships with Aboriginal people and youth.

Understanding Our Environment:

A total of $431,988.00 was expended during the 2006/2007 fiscal year for 23 projects under the understanding our environment category. Projects under this category help Manitobans make educated decisions and take action regarding the environment, through education and awareness activities, training, research, seminars and forums.

Special Initiatives:

Green Building Policy Coordination Unit

A total of $121,900.00 was expended during the 2006/2007 fiscal year to support the development of a provincial Green Building Policy. A Green Building Coordination Unit was established and held consultations with government and industry stakeholders to further develop and refine the Policy.

BROAD ALLOCATIONS CATEGORY SUMMARY

Targeted Funding Initiatives

Environmental Youth Corps:
A total of $200,000.00 was expended during the 2006/2007 fiscal year for 95 projects funded through the Environmental Youth Corps (EYC) including program administrative costs. The EYC supports environment-related projects involving hands-on participation of youth throughout Manitoba that include water quality, waste minimization, protection of flora and fauna, rehabilitation and conservation of the natural environment, wildlife conservation and habitat preservation.

Manitoba Climate Change Action Fund:
A total of $399,000.00 was expended during the 2006/2007 fiscal year for 11 projects funded through the Manitoba Climate Change Action Fund (MCCAF). The priority areas within MCCAF include education and outreach, impacts and adaptation, technical innovation and energy efficiency.

Waste Reduction and Pollution Prevention (WRAPP) Fund:
A total of $549,765.62 was expended during the 2006/2007 fiscal year for 18 projects funded through the Waste Reduction and Pollution Prevention (WRAPP) Fund including WRAPP program development. The priority areas within the WRAPP Fund include composting, construction and demolition (C&D) waste management, green procurement, institutional waste reduction, integrated waste management, market development, pollution prevention, promotion and education and regional recycling.

Water Stewardship Fund:
A total of $348,758.61 was expended during the 2006/2007 for 18 projects under the Water Stewardship Fund, including the Zebra Mussel Program. The priority areas for project funding, under the Water Stewardship Fund, include watershed management planning and implementation, water-related scientific research, education and capacity building, water conservation, water quality and economic development.

Departmental and Government Strategic Priorities

Bear Smart Initiative:
A total of $114,459.74 was expended during the 2006/2007 fiscal year to support the implementation of the Bear Smart Initiative in Manitoba which will assist in preventing human-bear conflicts.

Manitoba Forestry Association Woodlot Program
A total of $200,000.00 was expended during the 2006/2007 fiscal year to support the Woodlot Program which encourages private landowners in Manitoba to use Agro-forestry and woodlot management practices to diversify farm income and maintain wildlife habitat.

Orphan Mine Site Assessment Program
A total of $102,780.00 was expended by Manitoba Conservation, Environmental Programs Branch during the 2006/2007 fiscal year for the completion of independent environmental site assessments and closure report for mines in northern Manitoba.

Table 1: Summary of SDIF Open Category and Broad Allocation Projects

Project Categories	Number of Projects Allocated Funding in 2006/2007	Amount Expended
Open Fund Category		
Eco-tourism	3	$26,500.00
Ecosystem Conservation	7	$155,800.00
Environmental Technology Innovation and Demonstration	3	$183,399.19
Northern Community Development and Environmental Issues	4	$60,330.00
Sustainable Agricultural Practices	4	$85,810.00
Sustainable Community Development	16	$286,500.00
Understanding Our Environment	23	$431,988.00
Special Initiatives: - Green Building Policy Coordination Unit	1	$121,900.00
Total for Open Category	**61**	**$1,352,227.19**
Broad Allocations Category **1.Targeted Funding Initiatives**		
Environmental Youth Corps (EYC)	95	$200,000.00
Manitoba Climate Change Action Fund (MCCAF)	11	$399,000.00
Waste Reduction and Pollution Prevention (WRAPP) Fund	18	$549,765.62
Water Stewardship Fund[1]	18	$348,758.61
2.Departmental and Government Strategic Priorities[2]		
Bear Smart Initiative		$114,459.75
Manitoba Forestry Association Woodlot Program		$200,000.00
Orphan Mine Site Assessment Program		$102,780.00
Total for Broad Allocations Category		**$1,914,763.98**
Total for SDIF	**203**	**$3,266,991.17**

[1] The Water Stewardship Fund includes an allocation for the Zebra Mussel Program.
[2] The *Bear Smart* Initiative, the Manitoba Forestry Association Woodlot Program, and the Orphan Mine Site Assessment Program activities related to departmental and government priorities and do not award grants to project proponents.

PRÉFACE

Structure du rapport

La structure du rapport annuel de 2006-2007 du Fonds des innovations de développement durable (FIDD) est semblable à celle des rapports précédents, en ceci que les projets financés sont présentés par domaine de programmes et par catégorie d'attribution.

Les domaines de programmes et les catégories d'attribution des projets sont les suivants :

Catégorie ouverte du FIDD
- Domaines prioritaires de programmes du Fonds
- Initiatives spéciales
  - Section de coordination de la politique de bâtiments écologiques du Manitoba

Catégorie d'attributions générales
Les initiatives de financement visées sont les suivantes :
- Brigade des jeunes environnementalistes
- Fonds d'action pour le changement climatique du Manitoba
- Fonds pour la réduction du volume des déchets et la prévention de la pollution
- Fonds de gérance des eaux

Les priorités stratégiques du ministère et du gouvernement sont les suivantes :
- Programme « Bear Smart »
- Programme de protection des boisés de la Manitoba Forestry Association
- Programme d'évaluation des mines abandonnées du Manitoba

Objectif

En 1989, le gouvernement provincial créait le Fonds des innovations environnementales en vertu de la *Loi sur l'environnement*. Après la révocation des dispositions de la *Loi* s'y rapportant en 1992-1993, on a créé le nouveau Fonds des innovations de développement durable en vertu du paragraphe 17(1) de la *Loi sur le développement durable*, qui est entrée en vigueur le 1er juillet 1998 afin d'appuyer et de promouvoir les initiatives de développement durable partout au Manitoba. En 2000-2001, de nouvelles catégories de financement ont été établies en vertu du Fonds.

Tel qu'énoncé dans la *Loi sur le développement durable*, le Fonds a pour objectif « de verser des subventions à l'appui de projets, d'activités, de programmes de recherche et de développement innovateurs qui améliorent le caractère durable de l'économie, de l'environnement, de la santé et du bien-être social au Manitoba tout en encourageant une croissance économique respectueuse de l'environnement; et de favoriser tout autre objectif en matière de développement durable innovateur que le lieutenant-gouverneur en conseil juge approprié ».

Le but du FIDD est de contribuer à la viabilité de l'environnement au Manitoba, qui a un effet indirect sur l'économie, la santé des gens et le bien-être social. Le FIDD atteint son but au moyen d'initiatives et de programmes de financement visés, auxquels on peut accéder en présentant une demande ou en déposant une soumission. Le FIDD propose deux catégories de financement : une catégorie ouverte et une catégorie d'attributions générales. Ces deux catégories et les programmes désignés sont conformes aux priorités de Conservation Manitoba et aux autres initiatives du gouvernement. Le FIDD soutient les projets établis au Manitoba et les projets qui sont à l'avantage du Manitoba tout en contribuant à remplir les objectifs du FIDD :

1. appuyer et promouvoir l'innovation dans les secteurs de l'environnement et du développement durable;
2. encourager des prises de décision et l'adoption de mesures respectueuses de l'environnement;
3. promouvoir la recherche et la mise à l'essai de nouvelles initiatives ne faisant pas partie des programmes existants;
4. favoriser le développement et la diversification de l'économie afin d'améliorer la qualité de vie et de renforcer notre identité collective partout au Manitoba;
5. adopter de nouveaux moyens d'éviter le gaspillage et la pollution et de conserver les ressources;

6. soutenir les activités pouvant être avantageuses pour l'environnement à l'échelle mondiale et locale.

Les deux catégories du Fonds, soit la catégorie ouverte et la catégorie d'attributions générales, contribuent à la protection, à l'amélioration, à la conservation ou à la remise en état de l'environnement au Manitoba. Un soutien financier est accordé pour l'élaboration, la mise en œuvre et la promotion de projets novateurs écologiquement viables menés par les administrations municipales, les ministères du gouvernement, les entreprises et l'industrie, les groupes communautaires, les groupes de jeunes, les organismes autochtones, les collectivités des Premières nations et les établissements d'enseignement.

En plus d'appuyer des initiatives spéciales, la catégorie ouverte a établi des domaines prioritaires :

- innovation et démonstration de technologies environnementales;
- conservation des écosystèmes;
- développement durable des collectivités;
- environnement et développement communautaire du Nord;
- pratiques agricoles durables;
- écotourisme.

La catégorie d'attributions générales appuie les initiatives de financement visées ainsi que les priorités stratégiques du gouvernement que sont :

- la participation des jeunes;
- la réduction des déchets et la prévention;
- le changement climatique;
- la qualité et la conservation de l'eau;
- la conservation des ressources naturelles.

Source de revenus

Le montant revenant au FIDD établi dans les prévisions budgétaires annuelles est lié en théorie aux dépenses annuelles du Fonds ou aux recettes prévues par le biais des taxes destinées à la protection de l'environnement imposées sur les bouteilles d'alcool en verre et sur les couches jetables, de la taxe de vente provinciale touchant les frais de manutention imposés par l'industrie des huiles de graissage, et de la taxe sur les ventes au détail s'appliquant à la vente de contenants de boisson non consignés et de pneus.

Communication

La promotion du Fonds est assurée par les activités suivantes :

- sites Web du gouvernement (Conservation Manitoba, Sciences, Technologie, Énergie et Mines Manitoba, Gestion des ressources hydriques Manitoba);
- activités communautaires, foires commerciales, expositions et conférences;
- communiqués de presse ministériels;
- remerciements dans les publications, documents imprimés, et annonce des projets financés;
- inscriptions dans les répertoires de sources de financement;
- bureaux et personnel du gouvernement provincial;
- bouche à oreille.

Processus et gestion du Fonds

La Direction de la prévention de la pollution de Conservation Manitoba gère le Fonds en vertu de la *Loi sur le développement durable* et elle lui fournit le soutien administratif général dont il a besoin, notamment à l'égard de la catégorie ouverte et de la catégorie d'attributions générales. Elle s'occupe notamment de répondre aux demandes de renseignements, de préparer la documentation et les rapports, de contrôler les dépenses, de dresser les relevés des mouvements de trésorerie et de rendre compte au Conseil du Trésor.

La Direction assure aussi la gestion de la catégorie ouverte du FIDD et de deux des initiatives de financement visées par la catégorie d'attributions générales, soit la Brigade des jeunes environnementalistes et le Fonds pour la réduction du volume des déchets et la prévention de la pollution.

Le Fonds d'action pour le changement climatique du Manitoba est géré par Sciences, Technologie, Énergie et Mines Manitoba et le Fonds de gérance des eaux, qui englobe le Programme de lutte contre la moule zébrée,

est géré par Gestion des ressources hydriques Manitoba. Les autres attributions générales sont gérées par les directions du ministère de la Conservation.

La catégorie ouverte et la catégorie des attributions générales, dont relèvent la Brigade des jeunes environnementalistes, le Fonds d'action pour le changement climatique du Manitoba, le Fonds pour la réduction du volume des déchets et la prévention de la pollution et le Fonds de gérance des eaux, emploient des processus semblables en ce qui a trait aux demandes et aux propositions.

Le personnel de la Province évalue les propositions ou les demandes de financement de projets en fonction des critères du programme de financement. Les évaluations sont compilées et résumées avant d'être présentées au comité consultatif d'examen du Fonds, qui est composé de représentants des ministères provinciaux.

Ce comité examine les projets et les évaluations, puis il formule des recommandations au ministre de la Conservation en ce qui concerne le financement. Le ministre a reçu le pouvoir d'approuver les projets bénéficiant d'un financement maximal de 25 000 $. Les projets devant recevoir plus de 25 000 $ doivent être approuvés par le Conseil du Trésor.

Les projets demandant un soutien dans la catégorie générale sont évalués en fonction des critères suivants :

- ils portent sur au moins un des domaines prioritaires;
- ils font état de progrès mesurables vers la réalisation d'un ou de plusieurs des objectifs du Fonds;
- ils préconisent une démarche viable, présentent des avantages manifestes pour l'environnement et tiennent compte des avantages pour la collectivité et l'économie;
- ils font appel aux jeunes;
- ils ont obtenu par écrit des appuis et ils ont trouvé d'autres sources de soutien financier et non financier;
- ils ont un budget réaliste et recourent à des ressources appropriées pour se concrétiser;
- les dates du début et de la fin de chaque projet sont bien définies, et les projets sont mis en œuvre à temps;
- ils sont menés au Manitoba ou profiteront à la province;
- ils s'assortissent d'un plan clair et concret quant à leur utilisation, à leur diffusion ou à leur répétition dans l'avenir.

Les demandes d'inscription et de financement non admissibles à la catégorie générale comprennent :

- les projets aboutissant à l'acquisition d'un savoir-faire privatif détenu exclusivement par le bénéficiaire de la subvention;
- les demandes formulées à des fins de remboursement d'emprunt ou de recouvrement de coûts;
- l'achat d'équipement récréatif ou destiné à des terrains de jeux;
- l'achat de biens immobiliers (terrains, bâtiments) ou de véhicules;
- les frais d'administration permanents et les budgets d'exploitation établis;
- les projets qui doivent être mis en œuvre par suite d'une ordonnance du gouvernement (p.ex., élimination de réseaux de distribution de pétrole, études et travaux de remise en état).

Les Manitobains sont les principaux bénéficiaires du Fonds, qui veille à ce que les projets financés aient un impact direct sur le milieu naturel. En appuyant des pratiques respectueuses de l'environnement ayant un effet durable, le Fonds amène davantage les gens, les ménages, les entreprises et les établissements à changer leurs comportements.

Pendant l'exercice 2006-2007, une affectation de crédits de 3,4 millions de dollars a été autorisée pour soutenir le Fonds à l'égard des catégories suivantes :

Catégorie ouverte du FIDD

Catégorie d'attributions générales

1. Initiatives de financement visées
    - Brigade des jeunes environnementalistes
    - Fonds d'action pour le changement climatique du Manitoba

- Fonds pour la réduction du volume des déchets et la prévention de la pollution
- Fonds de gérance des eaux

2. Priorités stratégiques du ministère et du gouvernement
   - Programme « Bear Smart »
   - Programme de protection des boisés de la Manitoba Forestry Association
   - Programme d'évaluation des mines abandonnées du Manitoba

En tout, environ 3,2 millions de dollars ont été dépensés sur un total de 3,4 millions de dollars. Soixante nouveaux projets et une initiative spéciale ont reçu des fonds visés par la catégorie ouverte du FIDD en 2006-2007, qui s'élevaient à environ 1,3 million de dollars. Les nouveaux projets financés dans la même catégorie comprenaient des initiatives axées sur les intérêts des Autochtones, les programmes destinés aux jeunes, la formation ainsi que la recherche et l'analyse scientifiques. On a consacré environ 1,9 million de dollars à des projets s'inscrivant dans les sept catégories d'attributions générales.

Un résumé des dépenses des projets dans la catégorie ouverte et la catégorie d'attributions générales est présenté dans les pages qui suivent.

CATÉGORIE OUVERTE DU FIDD - DOMAINES PRIORITAIRES DE PROGRAMMES : RÉSUMÉ

Écotourisme

En 2006-2007, la somme totale de 26 500 $ a été affectée à trois projets inscrits dans la catégorie de l'écotourisme. Il s'agissait d'initiatives ayant trait à la préservation des écosystèmes, à l'éducation du public et aux débouchés économiques créés par le tourisme, la priorité ayant été accordée aux collectivités rurales et du Nord.

Conservation des écosystèmes

En 2006-2007, la somme totale de 155 800 $ a été affectée à sept projets inscrits dans la catégorie de la conservation des écosystèmes. Les objectifs sont ici de conserver les ressources, de préserver et d'entretenir les forêts et les écosystèmes urbains et de remettre en état et de revitaliser les zones dégradées.

Innovation et démonstration de technologies environnementales

En 2006-2007, la somme totale de 183 399,19 $ a été affectée à trois projets inscrits dans la catégorie de l'innovation et de la démonstration de technologies environnementales. Les projets de cette catégorie comprennent les études de faisabilité, les travaux de recherche-développement sur de nouveaux produits et procédés, les démonstrations de technologies environnementales et les projets spéciaux tels que des études stratégiques concernant des secteurs industriels.

Environnement et développement communautaire du Nord

En 2006-2007, la somme totale de 60 330 $ a été affectée à quatre projets inscrits dans la catégorie de l'environnement et du développement communautaire du Nord. Les projets de cette catégorie doivent être axés sur la mise en valeur de l'environnement et sur les activités de développement économique durable des collectivités du Nord et des localités éloignées, la priorité étant accordée aux collectivités autochtones.

Pratiques agricoles durables

En 2006-2007, la somme totale de 85 810 $ a été affectée à quatre projets inscrits dans la catégorie des pratiques agricoles durables. Les projets de cette catégorie comprennent des recherches, des projets de démonstration et des études de faisabilité sur les pratiques agricoles qui protègent l'environnement et qui contribueront à diversifier le secteur agricole du Manitoba.

Développement durable des collectivités

En 2006-2007, la somme totale de 286 500 $ a été consacrée à 16 projets inscrits dans la catégorie du développement durable des collectivités, catégorie qui comprend les initiatives concernant l'éco-efficacité, la bonne gestion de l'environnement, les mécanismes de renforcement des capacités et la réhabilitation des centres-villes, l'accent étant mis sur les partenariats avec les peuples autochtones et les jeunes.

Comprendre notre environnement

En 2006-2007, la somme totale de 431 988 $ a été consacrée à 23 projets inscrits dans la catégorie Comprendre notre environnement. Les projets de cette catégorie sont axés sur des activités d'éducation et de sensibilisation, de formation ou de recherche et sur l'organisation de colloques et de forums visant à aider les Manitobains à prendre des décisions éclairées et à agir dans l'intérêt de l'environnement.

Initiatives spéciales

Section de coordination de la politique de bâtiments biologiques du Manitoba
En 2006-2007, la somme totale de 121 900 $ a été consacrée à la mise sur pied de la Section de coordination de la politique de bâtiments biologiques du Manitoba. La Section a été constituée et a tenu des consultations avec des intervenants du gouvernement et de l'industrie afin d'élaborer la politique et la peaufiner.

CATÉGORIE DES ATTRIBUTIONS GÉNÉRALES : RÉSUMÉ

Initiatives de financement visées

Brigade des jeunes environnementalistes
En 2006-2007, la somme totale de 200 000 $ a été consacrée à 95 projets relevant de la Brigade des jeunes environnementalistes, ce qui comprend les frais d'administration du programme. La Brigade soutient des projets liés à l'environnement favorisant la participation directe des jeunes de partout au Manitoba dans les domaines de la qualité de l'eau, de la réduction des déchets, de la protection de la flore et de la faune, de la restauration et de la conservation des milieux naturels et de la conservation des espèces sauvages et des habitats naturels.

Fonds d'action pour le changement climatique du Manitoba
En 2006-2007, la somme totale de 399 000 $ a été consacrée à 11 projets relevant du Fonds d'action pour le changement climatique du Manitoba (FACCM). Les domaines prioritaires de ce Fonds sont l'éducation et la sensibilisation, les impacts et l'adaptation, les innovations techniques et l'efficacité énergétique.

Fonds pour la réduction du volume des déchets et la prévention de la pollution
En 2006-2007, la somme totale de 549 765,62 $ a été consacrée à 29 projets relevant du Fonds pour la réduction du volume des déchets et la prévention de la pollution, ce qui comprend l'élaboration de ses programmes. Les domaines prioritaires du Fonds sont le compostage, la gestion des déchets de construction et de démolition, l'approvisionnement écologique, la réduction du volume des déchets des établissements, la gestion intégrée des déchets, le développement des marchés, la prévention de la pollution, la promotion et l'éducation, et le recyclage à l'échelle régionale.

Fonds de gérance des eaux
En 2006-2007, la somme totale de 348 758,61 $ a été affectée à 17 projets relevant du Fonds de gérance des eaux, ce qui comprend le Programme de lutte contre la moule zébrée. Dans le cadre du Fonds de gérance des eaux, les domaines primordiaux de financement sont la planification et la mise en œuvre des projets de gestion des bassins hydrographiques, la recherche scientifique sur les eaux, l'éducation et le renforcement des capacités, la qualité de l'eau et le développement économique.

Priorités stratégiques du ministère et du gouvernement

Programme « Bear Smart »
En 2006-2007, la somme totale de 114 459,74 $ a servi à soutenir la mise en œuvre du Programme « Bear Smart » au Manitoba, qui vise à prévenir les conflits entre l'être humain et les ours.

Programme de protection des boisés de la Manitoba Forestry Association
En 2006-2007, la somme totale de 200 000 $ a servi à soutenir le Programme de protection des boisés, qui encourage les propriétaires fonciers privés du Manitoba à employer des pratiques de gestion agroforestière et de gestion des terrains boisés qui diversifient les revenus agricoles et qui préservent les habitats naturels.

Programme d'évaluation des mines abandonnées du Manitoba
En 2006-2007, la Direction des programmes environnementaux de Conservation Manitoba a versé en tout 102 780 $ pour mener à bien les évaluations environnementales de sites effectuées par des parties indépendantes et terminer la rédaction d'un rapport de fermeture de mines dans le nord du Manitoba.

Tableau 1 : Résumé des projets de la catégorie ouverte du FIDD et de la catégorie des attributions générales

Catégories de projets	Nombre de projets financés en 2006-2007	Sommes attribuées
Catégorie ouverte		
Écotourisme	3	26 500,00 $
Conservation des écosystèmes	7	155 800,00 $
Innovation et démonstration de technologies environnementales	3	183 399,19 $
Environnement et développement communautaire du Nord	4	60 330,00 $
Pratiques agricoles durables	4	85 810,00 $
Développement durable des collectivités	16	286 500,00 $
Comprendre notre environnement	23	431 988,00 $
Initiatives spéciales : - Section de coordination de la politique de bâtiments écologiques du Manitoba	1	121 900,00 $
Total – Catégorie ouverte	**61**	**1 352 227,19 $**
Catégorie des attributions générales **1. Initiatives de financement visées**		
Brigade des jeunes environnementalistes	95	200 000,00 $
Fonds d'action pour le changement climatique du Manitoba	11	399 000,00 $
Fonds pour la réduction du volume des déchets et la prévention de la pollution	18	549 765,62 $
Fonds de gérance des eaux[1]	18	348 758,61 $
2. Priorités stratégiques du ministère et du gouvernement[2]		
Programme « Bear Smart »		114 459,75 $
Programme de protection des boisés de la Manitoba Forestry Association		200 000,00 $
Programme d'évaluation des mines abandonnées du Manitoba		102 780,00 $
Total – Catégorie des attributions générales		**1 914 763,98 $**
Total for SDIF	**203**	**3 266 991,17 $**

[1] Le Fond de gérance des eaux comprend une subvention pour le Programme de lutte contre la moule zébrée.
[2] Il n'y a pas de subventions accordées aux promoteurs de projets entrant dans le cadre du Programme *Bear Smart*, du Programme de protection des boisés de la Manitoba Forestry Association et du Programme d'évaluation des mines abandonnées du Manitoba, qui relèvent des priorités stratégiques du ministère et du gouvernement.

ECO-TOURISM

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 3

Total Amount Expended: $26,500.00

Project Name	Total Expended
Hiking the Heartland – Exploring Manitoba on Foot	$5,000.00
Langford Recreational Trail	$5,000.00
Manigotagan River Web-Based GIS, Year 2	$16,500.00

ECO-TOURISM

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

HIKING THE HEARTLAND – EXPLORING MANITOBA ON FOOT

Proponent: Prairie Pathfinders Inc.
Date Approved: June 16, 2006
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

Summary:

A grant of $5,000.00 was approved to complete secondary research and publish a new "Manitoba Walks" hiking guide. The guide provides new and updated information on Manitoba trails and back road tours in terms of scenic beauty, historic interest and interesting or unique natural features, complete with photographs and GPS tracks for most of the routes. The trails cover the province from Thompson to Tolstoi and from St. Lazare to the Whiteshell. As well, "bird's eye view" maps were created for some of the trails, as these maps provide a better visual demonstration of the variety and appeal of the terrain. The guide book has been promoted through various media outlets. For more information on Prairie Pathfinders visit their website at **www.prairiepathfinders.mb.ca**

LANGFORD RECREATIONAL TRAIL

Proponent: Langford Recreational Trail Association
Date Approved: November 6, 2006
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

Summary:

A grant of $5,000.00 was approved to develop multi-use recreational trails in two areas of the Whitemud Watershed Wildlife Management Area, totaling 1,340 acres. The trails will be structured to appeal to a wide demographic to encourage high participation by multi-generational users. Trail head, directional, and interpretive signage highlighting the unique diversity of the area will be constructed and installed to provincial park standards. The trails will serve school and youth groups through physical activity and interpretive programs, as well as individuals and groups interested in various summer and winter activities. In addition, the Association will offer guided tours and, in partnership with the Town of Neepawa, develop a brochure to promote the area. For more information on the Langford Recreational Trail visit their website at www.mrta.mb.ca/transcnd.html#neepawa

MANIGOTAGAN RIVER WEB-BASED GIS, YEAR 2

Proponent: Manitoba Eco-Network
Date Approved: March 13, 2007
Total Amount Approved: $16,500.00
Total Amount Expended: $16,500.00

Summary:

Manitoba Eco-Network will continue with the implementation of a pilot project to promote environmentally-sensitive use of the Manigotagan River, Manitoba's newest provincial park, through production of interactive web-based and waterproof maps. The map and GIS are intended to assist with trip planning and navigation, encourage a respectful attitude towards the environment and raise awareness of the area's history, ecosystems and conservation. GPS and interpretive data have been gathered, pictures taken, and movies produced. The resulting database consists of data points of campsites, points of interest, picture gallery and services, data lines of portages and hiking trails, photos and movies. From this information a demo will be developed to provide a preview of the data and interactive map for evaluation. The second phase of this initiative involves publishing and launching the digital and paper products and updating the website and GIS based on visitor reviews and feedback. For more information on Manitoba Eco-Network visit their website at www.mbeconetwork.org

ECOSYSTEM CONSERVATION

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 7

Total Amount Expended: $155,800.00

Project Name	Total Expended
Broadway Avenue Adopt-A-Tree Program	$32,000.00
Commemorative Arbor Trail Development Project	$10,000.00
Impacts and Management of a New Invasive: Red Bartsia	$24,500.00
Keeping Forests Healthy While Foresting Timber	$25,000.00
Peregrine Falcon Recovery Programme 2006	$25,000.00
Power lines as Tall-Grass Prairies	$19,300.00
Turtle Mountain Conservation Agreement Program, Year 2	$20,000.00

ECOSYSTEM CONSERVATION

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

BROADWAY AVENUE ADOPT-A-TREE PROGRAM

Proponent: Coalition to Save the Elms, Manitoba Inc.
Date Approved: October 3, 2006
Total Amount Approved: $32,000.00 for FY 2006/2007
Total Amount Expended: $32,000.00
Total Amount Projected: $128,000.00 (FY 2007/2008 to 2010/2011)

Summary:

A total grant of $160,000.00 was approved at $32,000.00 in 2006/2007 fiscal year and $32,000.00 for each of the following four fiscal years to conduct a multi-faceted project which includes an educational and awareness component to rescue, rejuvenate, enhance and maintain the shade trees along Broadway Avenue form Osborne to Main Street in Winnipeg. Main traffic arteries such as Broadway pose especially harsh conditions that are characterized by intense heat, drought and flooding, solar radiation and air pollution from traffic. The project will introduce, test and demonstrate recent technologies to improve the soil profile. The education component of the project includes presentations, advertising, publicity events and implementation of tree rejuvenating methods to highlight the degeneration of urban infrastructure, urban forest and individual trees and provide examples of alleviation and preservation techniques. The first two years of the five-year project will focus on monitoring for signs of Dutch Elm disease and other diseases while the final three years will focus on follow-up and remedial work. For more information on this project visit the Coalition to Save the Elms, Manitoba Inc. website at www.savetheelms.mb.ca/Broadway_Avenue_AdoptATree.htm

COMMEMORATIVE ARBOR TRAIL DEVELOPMENT PROJECT

Proponent: United Commercial Travelers Brandon Council #448
Date Approved: September 5, 2006
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

Summary:

A grant of $10,000.00 was approved to create a commemorative trail, including interpretive, recognition and commemorative signage, which will be developed in an area of undeveloped green space along the Assiniboine Riverbank Corridor. Native trees, shrubs, and grasses will be planted to develop additional natural habitat along the riverbank. Educational/interpretive signage will be located at hubs along the trail and contain information about native plants in the area. Programs at the Riverbank Discovery Centre will provide an educational format for trail users to learn about area native plants. Recognition signage will be located at the trail head and will recognize major contributors to the project. Commemorative signage will be placed at the time and location of specific commemorative plantings. This trail is a component of the Assiniboine River Corridor Master Plan and is intended to provide opportunities for physical activity in the community. The trail was opened on May 30th, 2007, in conjunction with the 125th Birthday of the City of Brandon.

IMPACTS AND MANAGEMENT OF A NEW INVASIVE: RED BARTSIA

Proponent: University of Manitoba, Environmental Conservation Lab
Date Approved: December 22, 2006
Total Amount Approved: $24,500.00
Total Amount Expended: $24,500.00

Summary:

A grant of $24,500.00 was approved to research the environmental and socioeconomic impacts of invasive plant species, Red Bartsia (*Odontites vernum*) in Manitoba's Interlake region within the Rural Municipalities of Gimli, Armstrong, Bifrost, and Siglunes. The project's intent is to gain a better understanding of the factors underlying the plant's spread and to explore and promote low-cost and effective management techniques to mitigate future impacts. Focus groups will be conducted with producers and weed supervisors, mapping will take place using GIS and percent cover of other land use types documented. GIS and statistics will be used to analyze the interview and field research results.

KEEPING FORESTS HEALTHY WHILE FORESTING TIMBER

Proponent: Manitoba Model Forest Inc.
Date Approved: March 13, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to develop timber harvest guidelines based on ecosystem based management Ecosystem based management seeks to achieve balance between ecosystem health, land use, and benefits to the people. This initiative proposes to improve the understanding of ecosystem recovery following a wildfire and timber harvesting, develop timber harvest practices that will maintain ecosystem health, provide reliable site and stand level indicators of sustainable forest management, contribute to forest management policies and contribute to land use planning initiatives. For more information on Manitoba Model Forest Inc. visit their website at www.manitobamodelforest.net.

PEREGRINE FALCON RECOVERY PROGRAMME 2006

Proponent: Parkland Mews Falconry and Bird of Prey Education Inc.
Date Approved: June 16, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to expand the breeding potential of the endangered Peregrine falcon in Manitoba. Peregrine falcons are recognized provincially and nationally as a species at risk needing recovery efforts to maintain and enhance wild populations. Parkland Mews' captive breeding program successfully hatched four healthy young Peregrine falcons in 2005 and 2006. The next focus for Manitoba's Peregrine Recovery Plan is to encourage the Peregrines to breed in a man-made nesting tower adjacent to overhead power lines and assist their young to survive in a human altered landscape. It will be a world first to have a pair of falcons successfully produce young in these conditions. As well, winter quarters, a game bird facility with incubation capabilities and an interpretive venue will be constructed. The project will help to maximize Parkland Mews' interpretive capabilities by providing direct and controlled access for the public. The interpretive function provides a unique opportunity for people to participate in an Endangered Species Recovery program. For more information on Parkland Mews visit their web page at www.parklandmews.com

POWERLINES AS TALL-GRASS PRAIRIES

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: March 13, 2007
Total Amount Approved: $19,300.00
Total Amount Expended: $19,300.00

Summary:

A grant of $19,300.00 was approved for a study to determine if Manitoba Hydro transmission line right-of-ways can be used for native tall-grass prairie restorations. Transmission line right-of-ways (ROWs), which are kept clear of encroaching trees, could potentially be managed as an alternate grassland habitat and be restorable as tall grass prairies. ROWs have been managed elsewhere in North America for threatened species associated with shrub lands; however, there is no information on how to manage ROWs as prairie habitats. This research is a component of a larger study examining how the abundance of grassland butterflies and birds, along with their resources and predators, are influenced by site-level and landscape-level environmental features of habitats (either a ROW or remnant prairie). A better understanding of these factors will assist in identifying, managing or restoring other habitats for conservation of prairie species. Habitat loss is a major cause of decline for species at risk.

TURTLE MOUNTAIN CONSERVATION AGREEMENT PROGRAM, YEAR 2

Proponent: Turtle Mountain Conservation District
Date Approved: November 6, 2006
Total Amount Approved: $20,000.00
Total Amount Expended: $20,000.00

Summary:

A grant of $20,000.00 was approved for the second year of a "Conservation Agreement Program" to secure critical wetland and forested habitat through the signing of conservation agreements with landowners in the conservation district. Workshops will be conducted to raise awareness about the importance of natural areas and sustainable woodlot management practices and woodlot plans. This project will help to ensure that the ecological integrity of the Turtle Mountain region is protected and that habitat is conserved within the watershed. For more information on this program visit the Turtle Mountain Conservation District website at www.tmcd.ca

ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 3

Total Amount Expended: $183,399.19

Project Name	Total Expended
Hybrid Fuel-Cell Transit Bus Initiative	$133,399.19
Small Wind Composite Tower Project	$25,000.00
Waste Heat Utilization for Greenhouses	$25,000.00

ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

HYBRID FUEL-CELL TRANSIT BUS INITIATIVE

Proponent: Manitoba Science, Technology, Energy and Mines
Date Approved: February 3, 2004
Total Amount Approved: $133,399.19
Total Amount Expended: $133,399.19

Summary:

An allocation of $133,399.19 was approved as Manitoba's contribution to this initiative which will highlight sustainable transportation alternatives to Manitobans and industrial development opportunities for Manitoba companies. The prototype was tested in Manitoba to determine efficient operating requirements in Manitoba's climate. Along with the prototype testing, this initiative also included the project management responsibilities associated with coordinating activities in Manitoba and the marketing and promotional events involving the prototype unit.

SMALL WIND COMPOSITE TOWER PROJECT

Proponent: Smartpark Development Corporation
Date Approved: September 5, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to design, manufacture and install a 50-foot tower made of composite material to support a six kW wind generator. The composite material will be tested against steel on a small scale prior to its use in the manufacturing of towers for large scale wind generator installations. Structural health monitoring (SHM) sensors will be installed to monitor and evaluate the composite tower's construction and design. Design, construction, and servicing lessons learned will be summarized and transferred from the small tower to ongoing large tower development efforts. The tower will be used to market the University of Manitoba composite tower technology, and educate the public on alternative energy sources. This project was subsequently withdrawn in the next fiscal year.

WASTE HEAT UTILIZATION FOR GREENHOUSES

Proponent: University of Manitoba, Department of Mechanical and Manufacturing Engineering
Date Approved: November 6, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to conduct an economic and engineering analysis to determine the feasibility of using gas-line compressor waste heat to develop large-scale greenhouse operations in Manitoba. The first step of the project will be to determine if using waste heat coupled with thermal storage for greenhouse production offers cost benefits over conventional heat sources. The second, longer-term step involves determining which crop types offer market opportunities now and in the future for greenhouse operators. This project will also examine climate change issues.

NORTHERN COMMUNITY DEVELOPMENT AND ENVIRONMENTAL ISSUES

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 4

Total Amount Expended: $60,330.00

Project Name	Total Expended
Cross Lake First Nation Lands and Water Inventory	$16,000.00
Four Arrows RHA Inc. "Grow North" agricultural program	$24,000.00
Negayam Powatick Trail	$15,600.00
The Northern Green Parts Clean	$4,730.00

NORTHERN COMMUNITY DEVELOPMENT AND ENVIRONMENTAL ISSUES

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

CROSS LAKE FIRST NATION LANDS AND WATER RESOURCES

Proponent: Cross Lake First Nation
Date Approved: March 13, 2007
Total Amount Approved: $16,000.00
Total Amount Expended: $16,000.00

Summary:

A grant of $16,000.00 was approved to inventory information regarding Cross Lake First Nation's lands and waters and historic and archaeological holdings and store the information in an electronic archive. Although Cross lake holds sets of information about their community, their history, archaeological record and lands within their community, traditional territory and resource management area, these records have not been inventoried or secured electronically. The intent of the project is to collect this information for future land and resource planning, research purposes and for community access. These electronic records can also be used for display purposes and for educational purposes. The project will enhance Cross Lake First Nation's capacity for sustainable community development and environmental stewardship in that it will enable them to incorporate information about traditional land use and management practices into current and future lands and development initiatives.

FOUR ARROWS RHA INC. "GROW NORTH" AGRICULTURAL PROGRAM

Proponent: Four Arrows RHA Inc.
Date Approved: March 13, 2007
Total Amount Approved: $24,000.00
Total Amount Expended: $24,000.00

Summary:

A grant of $24,000.00 was approved to enhance the Grow North Agricultural Program in four remote northern communities of Island Lake, Red Sucker Lake, Garden Hill, St. Theresa Point and Wasagamack. The program intends to teach residents, including youth, about healthy choices and lifestyles by planting vegetable gardens and implementing "Veggie Adventure", an in-school program for grades three to five focusing on plant and soil science and food awareness and its impact on chronic diseases. Health problems are a growing concern in northern First Nations and many diseases are diet-related. Activities include creating garden plots, planting and harvesting vegetables, finding opportunities to bring the youth back in touch with the land, conducting curriculum workshops for educators, and purchasing equipment that will be shared amongst the communities. In addition, soil amendments will be added to garden plots where needed and greenhouses for germination purposes will be established.

NEGAYAM POWATICK TRAIL

Proponent: Poplar River First Nation
Date Approved: September 5, 2006
Total Amount Approved: $15,600.00
Total Amount Expended: $15,600.00

Summary:

A grant of $15,600.00 was approved to create an interactive, hands-on learning environment within the Boreal Forest in the form of a 2-3 km walking and biking trail on Poplar River First Nation. The focus will be on the natural history of the area, local species and habitat significance of the Boreal Forest, Poplar River First Nation and Lake Winnipeg, real and potential threats to local wildlife, forests and waters, and sustainable community practices. Eight learning stations will be created and plaques will provide information about Poplar River's history, messages encouraging environmental awareness, and descriptions of the animals, plants, and ecosystem features of the Boreal Forest. Beyond environmental awareness, the trail will also promote physical activity to community members.

THE NORTHERN GREEN PARTS CLEAN

Proponent: School District of Mystery Lake
Date Approved: November 6, 2006
Total Amount Approved: $4,730.00
Total Amount Expended: $4,730.00

Summary:

A grant of $4,730.00 was approved to demonstrate a water-based automatic car parts washer which will eliminate the use of solvents to clean car parts in a technical vocational program at R.D. Parker Collegiate in Thompson. The "Cuda" washing system uses 170°F soapy water and jet sprays, rather than hazardous chemicals. Many shops in northern Manitoba clean car parts with a manual parts washer using solvents. The waste product often ends up in the groundwater when a service person cleans parts on the shop floor. The Thompson school intends to eliminate handling and disposal issues, including "cradle-to-grave" waste liabilities. The school will provide information about the washer and offer use of the equipment to the local community and businesses. As well as promoting and encouraging the use of sustainable practices, this initiative is expected to enhance the students' networking skills with local industry. For more information on R.D. Parker Collegiate visit their web page at http://netra.mysterynet.mb.ca/rdpc/

SUSTAINABLE AGRICULTURAL PRACTICES

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 4

Total Amount Expended: $85,810.00

Project Name	Total Expended
Joint meeting of the Entomological Society of Manitoba and Entomological Society of America-North Central Branch	$5,000.00
Manure Nutrients in Sensitive Land, Year 2	$24,810.00
Solid Cattle Manure as Nutrient Source	$30,000.00
Temperature-moisture effect of C, N and P mineralization, Year 2	$26,000.00

SUSTAINABLE AGRICULTURAL PRACTICES

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

JOINT MEETING OF THE ENTOMOLOGICAL SOCIETY OF MANITOBA AND ENTOMOLOGICAL SOCIETY OF AMERICA-NORTH CENTRAL BRANCH

Proponent: Entomological Society of Manitoba
Date Approved: December 22, 2006
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

Summary:

A grant of $5,000.00 was approved to host a joint meeting with the North Central Branch of the Entomology Society of America in Winnipeg from March 25-28, 2007. In addition, a forum will be held which will provide a unique opportunity to have expertise for several pest management areas available on a local basis. Sessions on the European Corn Borer and/or Corn Rootworm will be held and will target interested Manitoba growers, scouts and industry where information and direct access to leading researchers and extension personnel can be obtained. Presentations for local bee keepers will be geared towards current concerns, including the Varroa mite, tracheal mite and American foulbrood disease. Information on the Emerald Ash Borer will be targeted towards nursery producers and tree management specialists (urban and rural) in Manitoba. The invasive pest is liable to reach Manitoba, where Ash trees compose about 30% of the tree cover in the urban forests of many towns and cities. For more information on the Entomological Society of Manitoba visit their web page at http://home.cc.umanitoba.ca/~fieldspg

MANURE NUTRIENTS IN SENSITIVE LAND

Proponent: University of Manitoba, Department of Soil Science
Date Approved: June 16, 2006
Total Amount Approved: $24,810.00
Total Amount Expended: $24,810.00

Summary:

A grant of $24,810.00 was approved to undertake the final year of a three-year research project to evaluate best management practices for the integration of hog and cattle production through application of liquid hog manure on forage grazed by cattle or forage harvested as hay. The study will include an "outdoor laboratory" to examine the speed of phosphorus build up, movement potential in the soil profile and to determine whether haying can prevent concerns for nutrient build up. As well, it will allow for determination of greenhouse gas budgets for hog manure amended forage. Once the study is complete, the project should provide scientifically validated recommendations for manure nutrients on sensitive land. The results of the research will contribute to the overall investigation of best management practices for reducing greenhouse gas emissions from animals and limiting transfer of harmful manure bacteria to the environment.

SOLID CATTLE MANURE AS A NUTRIENT SOURCE, PHASE III

Proponent: Manitoba Cattle Producers Association
Date Approved: October 3, 2006
Total Amount Approved: $30,000.00
Total Amount Expended: $30,000.00

Summary:

A total grant of $60,000.00 was approved over two years, at $30,000.00 each for fiscal years 2006/2007 and 2007/2008. In conjunction with the University of Manitoba and Agriculture and Agri-Food Canada, the Manitoba Cattle Producers will conduct research to develop best management practices for the use of solid cattle manure, while improving soil fertility, texture and crop production and minimizing environmental risk. In addition to the research, the release of nutrients from manure to soils in annual and perennial crops under Manitoba conditions will be demonstrated. Survey results to characterize management practices in Manitoba will be used to establish a series of field site trials to be conducted over three growing seasons to characterize nutrient availability from solid manure. Two study sites are proposed, a south west regional site and an Interlake regional site, each site having a different type of soil. In addition, an annual and perennial cropping system seeded to a cereal oilseed rotation will be investigated over three growing seasons at each study site. Manure will be selected from a representative source of cattle manure in Manitoba. Study results will provide recent, local information and will produce a practical application to problems faced by both agricultural producers and regulators of manure applications. For more information on the Manitoba Cattle Producers Association visit their web page at www.gov.mb.ca/agriculture/livestock/beef/mcpa.html

TEMPERATURE-MOISTURE EFFECT OF C, N AND P MINERALIZATION, PHASE II

Proponent: University of Manitoba, Department of Soil Science
Date Approved: October 3, 2006
Total Amount Approved: $26,000.00
Total Amount Expended: $26,000.00

Summary:

A total grant of $68,500.00 was approved over two years, at $26,000.00 in 2006/2007 and $42,500.00 in 2007/2008. The project was approved to continue conducting research and evaluating the influence of temperature and moisture on carbon (C), nitrogen (N), and phosphorus (P) mineralization in soil treated with different organic amendments including municipal biosolids (solids left over from wastewater treatment), hog, poultry and beef cattle manure with straw bedding, as well as, develop a model to predict available nutrients from manure, given weather and soil information. Research will be conducted over a three year period. Research activities include a laboratory incubation study.

SUSTAINABLE COMMUNITY DEVELOPMENT

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 16

Total Amount Expended: $286,500.00

Project Name	Total Expended
Battling Bands for the Environment	$5,000.00
Buffalo Point First Nation Mapping & Technical/Historic Materials Inventory	$12,000.00
Centre D'Interprétation Saint-Léon (CIS)	$25,000.00
Development and Implementation of an Outdoor Program at Lake Manitoba First Nation School	$2,000.00
Growing Up Organic	$15,000.00
Lands Information and Research Project	$25,000.00
Lands Information and Research Project	$25,000.00
Lands Information and Research Project	$25,000.00
Murdoch MacKay Landscaping: Greenhouse Project	$2,500.00
Ningo Gikinonwin Cultural Program	$10,000.00
Peguis First Nation Log Building Program – Peguis Tourism Centre	$15,000.00
Sagkeeng Protected Lands/Eco-Tourism Project	$10,000.00
Seven Oaks Emergency Department Redevelopment	$15,000.00

Project Name	Total Expended
Urban Ecology – Net Zero Energy Healthy Housing	$25,000.00
Winnipeg Humane Society New Facility – Greening Initiative	$50,000.00
Wuskwi Sipihk First Nation Traditional Ecological Knowledge	$25,000.00

SUSTAINABLE COMMUNITY DEVELOPMENT

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

BATTLING THE BANDS FOR THE ENVIRONMENT

Proponent: River Heights Community Centre
Date Approved: May 13, 2007
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

Summary:

A grant of $5,000.00 was approved for promotion of environmental awareness and sustainable development activities through a zero waste eco-event at the River Heights community centre in Winnipeg, and development of a zero waste eco-event green guide. This Family Fun Eco Day intends to provide opportunities for residents of all ages to participate in activities that will help to improve and protect the environment. The event will focus on the themes of pollution prevention, sustainable transportation, renewable energy, and water conservation. Community events and activities to be held include: community clean up at École River Heights School, declaration of a litter-free zone, on-site recycling, organic waste composting demonstration, green products display, hybrid vehicles on display from local dealerships, Hydro Power Smart Day, water conservation, backyard compost bin sale with City of Winnipeg, environmental messaging, environmental themed films, community centre mural contest, and limiting parking space to promote walking and green transportation alternatives. For more information on the River Heights Community Centre visit their website at www.riverheightscc.org

BUFFALO POINT FIRST NATION MAPPING & TECHNICAL/HISTORIC MATERIALS INVENTORY

Proponent: Buffalo Point First Nation
Date Approved: March 13, 2007
Total Amount Approved: $12,000.00
Total Amount Expended: $12,000.00

Summary:

A grant of $12,000.00 was approved to index all the First Nation's technical, historic and archaeological holdings in an inventory, and then secure the materials where possible through an electronic archive. Buffalo Point is located on the shores of Lake of the Woods in the southeastern corner of Manitoba. The First Nation has a comprehensive community development strategy with emphasis on tourism and recognizes that the main attractions for tourists are the beautiful scenery and diverse wildlife found within their traditional lands. Within their ecosystem, Buffalo Point has developed a comprehensive wildlife management program that attracts many photographers and sightseers. Proper access and inventory of the historic and technical materials and mapping of their traditional territory will enable the First Nation to assess future ecosystem conservation and additional protection of sensitive and culturally significant sites within their traditional territories and community interest zone, as well as identify eco-tourism opportunities for their economic strategy.

CENTRE D'INTERPRÉTATION SAINT-LÉON (CIS)

Proponent : Centre d'interprétation de la salamandre Inc.
Date Approved: December 22, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to create and implement educational programming at the Saint-Léon Tourism Centre that will highlight Saint-Léon's unique environmental features, namely the tiger salamander and its wetlands, and the wind energy farm. The long term goal is to develop and implement a strategic tourism and marketing plan for the centre.

DEVELOPMENT AND IMPLEMENTATION OF AN OUTDOOR PROGRAM AT Lake Manitoba FIRST NATION SCHOOL

Proponent: Lake Manitoba First Nation
Date Approved: March 13, 2007
Total Amount Approved: $2,000.00
Total Amount Expended: $2,000.00

Summary:

A grant of $2,000.00 was approved to develop and implement an outdoor education program focusing on trapper education and hunter safety for students attending the Lake Manitoba First Nation School. The credit course will incorporate traditional hunting, fishing and trapping teachings.

GROWING UP ORGANIC

Proponent: Organic Food Council of Manitoba
Date Approved: December 22, 2006
Total Amount Approved: $15,000.00
Total Amount Expended: $15,000.00

Summary:

A grant of $15,000.00 was approved to implement Year one of a five-year initiative to link child care facilities with organic farmers, educate child care facilities about organic food consumption and production, and develop local rural and urban organic food systems. In the first year, partnerships will be established with one or two registered Winnipeg child care facilities and a system of rural and urban food distribution systems for these facilities will be developed. Educational materials will be designed to promote the program. In addition, each facility will be provided with locally focused organic menus prepared by a local chef and a Fresh Option Organic Delivery (FOOD) distributor will be engaged to source local options and establish costs for menu planning. For more information on the Organic Food Council of Manitoba, the local chapter of Canadian Organic Growers, visit their web page at https://www133.ssldomain.com/cog/manitoba

LANDS INFORMATION AND RESEARCH PROJECT

Proponent: Bloodvein River First Nation
Date Approved: September 5, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to assist in developing a lands management plan. Bloodvein River First Nation's traditional lands are part of the Atikaki/Woodland Caribou/Accord First Nations, and have been nominated under the Manitoba and Ontario World Heritage Site (WHS). Bloodvein River First Nation traditional territories have also been nominated for protected status through the Manitoba First Nation Protected Areas MOU. Information gathered will create a better understanding of the ecosystems found within the traditional lands, and project activities and results will be shared with the community via local radio, office bulletins, newsletters, community presentations, and community resource centre.

LANDS INFORMATION AND RESEARCH PROJECT

Proponent: Little Grand Rapids First Nation
Date Approved: September 5, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to assist in developing a lands management plan. Little Grand Rapids First Nation's traditional lands are part of the Atikaki/Woodland Caribou/Accord First Nations, and have been nominated under the Manitoba and Ontario World Heritage Site (WHS). Little Grand Rapids First Nation traditional territories have also been nominated for protected status through the Manitoba First Nation Protected Areas MOU. Information gathered will create a better understanding of the ecosystems found within the traditional lands, and project activities and results will be shared with the community via local radio, office bulletins, newsletters, community presentations, and community resource centre.

LANDS INFORMATION AND RESEARCH PROJECT

Proponent: Pauingassi First Nation
Date Approved: September 5, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to assist in developing a lands management plan. Pauingassi First Nation's traditional lands are part of the Atikaki/Woodland Caribou/Accord First Nations, and have been nominated under the Manitoba and Ontario World Heritage Site (WHS). Pauingassi First Nation traditional territories have also been nominated for protected status through the Manitoba First Nation Protected Areas MOU. Information gathered will create a better understanding of the ecosystems found within the traditional lands, and project activities and results will be shared with the community via local radio, office bulletins, newsletters, community presentations, and community resource centre.

MURDOCH MACKAY LANDSCAPING: GREENHOUSE PROJECT

Proponent: Murdoch MacKay Collegiate Institute
Date Approved: June 16, 2006
Total Amount Approved: $2,500.00
Total Amount Expended: $2,500.00

Summary:

A grant of $2,500.00 was approved to teach students about horticulture and sustainability by involving them in constructing a greenhouse, propagating plants, and transplanting greenhouse plants to the schoolyard gardens. For more information on Murdoch MacKay Collegiate visit their web page at www.mmci.retsd.mb.ca

NINGO GIKINONWIN CULTURAL PROJECT

Proponent: Hollow Water First Nation
Date Approved: June 16, 2006
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

Summary:

A grant of $10,000.00 was approved to establish a series of cultural gatherings to provide opportunities for Elders, youth and other Traditional Knowledge holders from within the community to interact and exchange traditional knowledge in a culturally appropriate manner. The workshops will be organized around the four seasons, allowing for a unique Aboriginal perspective to the learning cycle. Youth will learn and be exposed to cultural protocol, Elder decision making principles, environmental issues impacting their traditional territory, Ojibwa and Anishinaabek values, knowledge and culture regarding conservation and sustainable community development, and ways to strengthen relationships between Elders and youth. Information gathered will be documented and is expected to be used in the school curriculum and by the Band Council for environmental planning purposes.

PEGUIS FIRST NATION LOG BUILDING PROGRAM - PEGUIS TOURISM CENTRE

Proponent: Peguis Development Corporation
Date Approved: March 13, 2007
Total Amount Approved: $15,000.00
Total Amount Expended: $15,000.00

Summary:

A grant of $15,000.00 was approved to develop and implement a log home building and sawmill training program. This training program will complement Peguis First Nation's harvesting training program which includes Elder's teachings, best management practices, logging aesthetics and forest harvesting techniques. It will also provide training and employment opportunities for community forest harvesters, and address local housing needs. As part of the training program, a building will be constructed at the training site. The building will be deconstructed and then re-constructed within the First Nation as a tourism centre/museum. The training program will incorporate CPR and First Aid training and participants will receive Power Saw Safety Certificates upon completion. Once the training programs are developed and tested, a training manual will be developed and shared with other First Nation communities.

SAGKEENG PROTECTED LANDS/ECO-TOURISM PROJECT

Proponent: Sagkeeng First Nation
Date Approved: September 5, 2006
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

Summary:

A grant of $10,000.00 was approved to identify and map potential and existing protected areas within the Sagkeeng traditional territory, as well as consult with the community to identify and plan for future eco-tourism possibilities. Sagkeeng traditional knowledge regarding cultural, sacred sites, traditional use areas, ecologically sensitive and significant areas, as well as crown land designations will be documented and a compilation of publicly available data and GIS shape files will be collected and created. Sagkeeng Elders and other resource users will assist in identifying existing and potential areas for protection, as well as help to identify any existing or potential constraints to establishing protected areas. A community review will be held to gather input on mapping potential protected areas.

SEVEN OAKS EMERGENCY DEPARTMENT REDEVELOPMENT

Proponent: Seven Oaks General Hospital Foundation Inc.
Date Approved: September 5, 2006
Total Amount Approved: $15,000.00
Total Amount Expended: $15,000.00

Summary:

A grant of $15,000.00 was approved to implement greening initiatives as part of Seven Oaks General Hospital's emergency department redevelopment and obtain LEED certification (Leadership in Energy and Environmental Design) for Commercial Interiors. Greening and energy conservation initiatives to be implemented include measures that will minimize waste, energy consumption, water, improve indoor air quality, material and technology use, and improve environmental performance in general. The project will be communicated to the community through a comprehensive environmental education program that will detail the measures taken to ensure the facility is as environmentally sustainable as possible, and explain how these measures reduce the environmental impact of the new facility on the larger community. Seven Oaks General Hospital will be one of four health care facilities in Canada to be LEED certified. For more information on the Seven Oaks General Hospital Foundation visit their website at www.soghfoundation.org

URBAN ECOLOGY – NET ZERO ENERGY HEALTHY HOUSING

Proponent: Winnipeg Housing Rehabilitation Corporation
Date Approved: March 13, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to construct a net-zero energy healthy house as a pilot demonstration and create a model for use in future residential developments. . Energy savings and water conservation technologies, as well as sustainable green building practices will be showcased at a newly constructed semi detached infill house in Winnipeg's Centennial Neighbourhood on William Avenue. The technologies and practices to be used in this project are readily available, affordable and can be replicated in new residential developments. The project will be marketed and demonstrated to the public to encourage replication and promotion of the benefits of this innovative prototype. Canada Mortgage and Housing Corporation will monitor the systems incorporated into the net-zero unit of the vacant duplex for one year to determine energy use, domestic hot water energy use, space conditioning system energy use, and renewable energy production under its newest initiative known as *Equilibrium*. The Centennial Neighbourhood Association will be kept apprised of the project activities and will assist in hosting workshops and tours. For more information on the Winnipeg Housing Rehabilitation Corporation visit their website at www.whrc.ca

WINNIPEG HUMANE SOCIETY NEW FACILITY – GREENING INITIATIVES

Proponent: Winnipeg Humane Society
Date Approved: April 11, 2006
Total Amount Approved: $50,000.00
Total Amount Expended: $50,000.00

Summary:

A grant of $50,000.00 was approved to design and construct a new 40,000 square foot sustainable and "green" facility to meet the Canadian Green Building Council's Leadership in Energy and Environmental Design (LEED) Gold certification. The Winnipeg Humane Society's new facility will feature a progressive and friendly design by incorporating a portion of an existing trail and storm water detention pond as landscape features. To increase indoor air quality and reduce energy usage, materials that have minimal off-gassing and low odour emissions, as well as operable windows for natural ventilation and cooling will be used. Water conservation techniques will be incorporated, with roof water to be used for cage washing and toilets. Reflective, white roofing material will be used to reduce the heat island effect and minimize the building's impact on the microclimate, humans and wildlife habitat. For more information on The Winnipeg Humane Society and its new facility, visit their web page at www.winnipeghumanesociety.ca

WUSKWI SIPIHK FIRST NATION TRADITIONAL ECOLOGICAL KNOWLEDGE

Proponent: Wuskwi Sipihk First Nation
Date Approved: June 16, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to hire a consultant to document First Nation perspectives and Traditional Ecological Knowledge (TEK) within the First Nation's traditional use area. This initiative is intended to further the development and implementation of a community-based vision of sustainable forest management practices. Information on current forest practices, such as logging, site preparation, reforestation, the rate of cutting will be collected and traditional knowledge will be incorporated into the plan. The community will be consulted through workshops and meetings, youth will assist in collecting data, and Elders and other resource users will be interviewed to document knowledge of different forest values and locations of special areas or interest.

UNDERSTANDING OUR ENVIRONMENT

PROJECTS ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 23

Total Amount Expended: $431,988.00

Project Name	Total Expended
8th Prairie Conservation & Endangered Species Conference & Workshop	$2,000.00
2007 Earth Day in Manitoba	$5,000.00
Active and Safe Routes To School Program Handbook and Resource Guide	$5,000.00
Boreal Kids Educational Project	$40,000.00
Controls on tallgrass prairie diversity, Year 2	$17,500.00
Developing Predictive Models for Tallgrass Prairie Plant Species in Manitoba	$25,000.00
Dutch Elm Disease Research Project	$23,266.00
Enhancing Bear Smart Behaviour: Education and Research	$24,000.00
Environmental Change and Transportation in Churchill, MB	$5,300.00
Fire effects on Sprague's pipits	$21,384.00
Identifying critical habitat of prairie skinks (*Eumeces spetentrionalis*) in Manitoba	$15,880.00
Manitoba Chimney Swift Initiative (MCSI)	$15,000.00
Manitoba Tall-grass Prairies	$25,000.00
Monitoring killer and beluga whales	$21,000.00

Project Name	Total Expended
North Interlake Woodland Caribou Genetic Mark-Recapture	$25,000.00
Polar Bears and Climate Change	$48,200.00
Publish Manitoba Birders' Guide	$5,000.00
Save Our Skinks Website	$12,500.00
Shanty Creek Watershed Education Centre	$6,000.00
Study to Support Bear Smart Behaviour in Cottage Communities, Year 2	$19,000.00
Understanding Saw-whet Owl Movements and Population Trends	$36,000.00
Water Conservation/Land Management Course	$10,000.00
Wind Power and Migratory Bats	$24,958.00

UNDERSTANDING OUR ENVIRONMENT

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

8TH PRAIRIE CONSERVATION & ENDANGERED SPECIES CONFERENCE & WORKSHOP

Proponent: Saskatchewan Prairie Conservation Action Plan
Date Approved: December 22, 2006
Total Amount Approved: $2,000.00
Total Amount Expended: $2,000.00

Summary:

A grant of $2,000.00 was approved to host the 8th Prairie Conservation & Endangered Species Conference and Workshop in Regina from March 1-3, 2007, publish and disseminate proceedings, and provide information to Manitoba to assist with planning the 9th conference in 2010. This year's conference theme was "Homes on the Range: Conservation in Working Prairie Landscapes" and focused on critical issues of prairie sustainability, including the conservation of prairie and endangered species using collaborative, integrated approaches. The conference is regional in nature and is attended to attract a diverse range of prairie stakeholders to gather and discuss issues of mutual concern. For more information on this organization visit their website at www.pcap-sk.org

2007 EARTH DAY IN MANITOBA

Proponent: **Earth Day Planning Committee**
Date Approved: **December 22, 2006**
Total Amount Approved: **$5,000.00**
Total Amount Expended: **$5,000.00**

Summary:

A grant of $5,000.00 was approved to host an Earth Day Celebration and Challenge in April 2007. The 2007 Earth Day theme "*Healthy People ⇔ Healthy Planet*" emphasizes connections between healthy living and a healthy environment. Schools will be invited to compete in a number of environmentally-themed challenges, including recycling, composting, walking/biking to school, carpooling, litter clean-up, tree planting, litter-less lunches, water and/or energy conservation, waste reduction, pesticide use reduction, ecological foot printing, and community gardens. This event offers Manitobans the chance to celebrate the students' accomplishments while learning more about healthy lifestyle choices through displays, demonstration and engaging activities.

ACTIVE AND SAFE ROUTES TO SCHOOL PROGRAM HANDBOOK AND RESOURCE GUIDE

Proponent: Resource Conservation Manitoba
Date Approved: March 13, 2007
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

Summary:

A grant of $5,000.00 was approved to publish the Active and Safe Routes to School (ASRTS) handbook and resource guide for distribution to schools, school divisions, and community organizations interested in implementing this program. The Active and Safe Routes to School (ASRTS) program was developed by Resource Conservation Manitoba to encourage use of active modes of transportation to and from school and is offered free of charge to Manitoba schools. The proposed handbook and resource guide will provide users with practical tools, information and strategies to help implement their own ASRTS program that suits their unique circumstances. Manitoba-specific information and tools in this handbook and resource guide will include surveys, ideas for walking in the Manitoba climate, and special information for schools where many students are bussed. For more information on Resource Conservation Manitoba visit their website at www.resourceconservation.mb.ca

BOREAL KIDS EDUCATIONAL PROJECT

Proponent: Boreal Forest Network Inc.
Date Approved: October 3, 2006
Total Amount Approved: $40,000.00
Total Amount Expended: $40,000.00

Summary:

A grant of $40,000.00 was approved to develop a set of interactive multi-media educational programs on the Boreal Forest. The programs will include a CD-ROM/DVD with curriculum guide and support materials, a web-based educational program that allows participating youth to network and learn online with other youth, and a "Boreal Camp" where disadvantaged youth from urban centres and rural areas can learn and interact in an actual boreal forest setting. The programming will allow youth to learn and understand the boreal environment, provide information related to environmental issues and northern communities and provide information on ecosystem conservation and sustainable development as it relates to the boreal forest. For more information on the Boreal Forest Network visit their web page at www.borealnet.org

CONTROLS ON TALLGRASS PRAIRIE DIVERSITY, YEAR 2

Proponent: University of Manitoba, Department of Botany
Date Approved: March 13, 2007
Total Amount Approved: $17,500.00
Total Amount Expended: $17,500.00

Summary:

A grant of $17,500.00 was approved to conduct the second year of a study to determine how the interactions between plant and soil communities affect biodiversity and develop methods to use these interactions in restoration efforts. Research will continue to determine if soil pathogens are plant specific, preferentially infecting Big Bluegrass. Big Bluegrass exists in large patches on the tallgrass prairie preserve within Oak Hammock Marsh and although it is the dominant species in terms of cover and is competitively superior to other plants, research has shown that soil from Big Bluestem patches reduces its growth and increases its chance that it will become infected by a soil pathogen.

DEVELOPING PREDICTIVE MODELS FOR TALLGRASS PRAIRIE PLANT SPECIES IN MANITOBA

Proponent: Prairie Habitats Inc.
Date Approved: March 13, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to develop criteria to identify areas of tallgrass prairie in Manitoba that may contain endangered and threatened plant species. Tallgrass prairie is extremely scarce and continues to be threatened by human development. Predictive models for critical habitat are used as statistical tools to estimate the likelihood of a particular species occurring in a given landscape and will further assist in recovery activities. For more information on Prairie Habitats visit their website at www.prairiehabitats.com

DUTCH ELM DISEASE RESEARCH

Proponent: University of Manitoba, Department of Entomology
Date Approved: September 5, 2006
Total Amount Approved: $23,266.00
Total Amount Expended: $23,266.00

Summary:

A grant of $23,266.00 was approved for the second year of a four-year research project to improve control methods of Dutch Elm Disease (DED) in Manitoba communities. The research will provide practical information for urban forest managers to improve the efficacy and sustainability of integrated DED management programs. Several research experiments will be performed to respond to information gaps currently known regarding the spread of DED. Research experiments will be undertaken along the south bank of the La Salle River at Camp Amisk to determine if newly-diagnosed trees source large numbers of spore-carrying beetles that act as vectors of the disease, and along the north side of the La Salle River to determine what contributions to the spore bearing overwintered population of native elm bark beetles is attributable to brood from newly-infected trees, using powder-marked overwintering beetles. Identification of effective and more environmentally friendly pesticides for basal applications to control overwintering DED vectors will also take place.

ENHANCING BEAR SMART BEHAVIOUR: RESEARCH AND EDUCATION, YEAR 1

Proponent: University of Manitoba, Physical Education and Recreation Studies
Date Approved: June 16, 2006
Total Amount Approved: $24,000.00
Total Amount Expended: $24,000.00

Summary:

A grant of $24,000.00 was approved to conduct the first year of a study to compare the attitudes and behaviour of residents from three cottage communities at various stages of problem mitigation of human-bear conflict. Communities were selected from the Grand Beach District, along the east side of Lake Winnipeg (Grand Beach, Victoria Beach and Lester Beach) to participate as experimental and control communities in the study. The study intends to establish baseline information to design and implement a strategy to change human behaviour to reduce negative conflict with bears, evaluate the effectiveness of the education-communication program, evaluate the effectiveness of bear-proofing measures in changing the feeding strategy of collared bears, and showcase the positive "Bear Smart" initiatives to other Manitoba communities. The study will take place over three years with a follow-up evaluation five years after implementation of mitigation and education programs.

ENVIRONMENTAL CHANGE AND TRANSPORTATION IN CHURCHILL, MB

Proponent: University of Manitoba, Department of Environment and Geography
Date Approved: September 5, 2006
Total Amount Approved: $5,300.00
Total Amount Expended: $5,300.00

Summary:

A grant of $5,300.00 was approved for a study to determine the implications of environmental change on transportation in Churchill and to make recommendations on safety, awareness and techniques for travel. This research is expected to lead to a better understanding of how the actions of people who harvest resources from the land in Manitoba's North will be altered by environmental change, to further understand how the environment is changing, and how people's way of life is changing in response. The researcher will participate in a fishing trip, a caribou hunt, and a moose hunt with a community member who will act as a mentor. Non-structured interviews, or learning sessions, will allow other study participants to share knowledge on the topic. Research findings will be presented to study participants for correct interpretation and completeness of the data, with the final version being presented to the community after recommendations are addressed. Several submissions for scientific publication and a Master's thesis based on the findings are planned.

FIRE EFFECTS ON SPRAGUE'S PIPITS

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: March 13, 2007
Total Amount Approved: $21,384.00
Total Amount Expended: $21,384.00

Summary:

A grant of $21,384.00 was approved for a study evaluating the distribution and abundance of Sprague's pipit's prey and the response of pipits to fire as a natural disturbance. The pipit is a small, threatened, grassland songbird that is elusive in nature. Specific factors have been found to affect suitability of habitat for Sprague's pipits including disturbances such as burning, intensive livestock grazing, haying and mismanagement. An important component of this research is to determine how fire may be affecting the abundance of Sprague's pipits and the availability of their invertebrate prey. The need to conserve essential grassland habitat characteristics through fire management is high and the baseline data collected will assist in developing recovery strategies for grassland species at risk. Research will be conducted in the military training area of CFB Shilo; however, the study also intends to address issues about species for which Spruce Woods Provincial Park provides significant habitat.

IDENTIFYING CRITICAL HABITAT OF PRAIRIE SKINKS (EUMECES SEPTENTRIONALIS) IN MANITOBA

Proponent: Brandon University, Department of Zoology
Date Approved: March 13, 2007
Total Amount Approved: $15,880.00
Total Amount Expended: $15,880.00

Summary:
A grant of $15,880.00 was approved to identify critical habitat of the prairie skink, a small lizard found in the mixed grass prairie of southwestern Manitoba. Habitat succession and invasion of exotic weeds can directly impact skink populations by eliminating available habitat and indirectly affect populations by isolating them. The impact of habitat loss cannot be assessed without detailed knowledge of the skink's critical habitat and population viability factors such as survivorship and reproductive output, which are currently unknown. The research intends to determine basic population viability factors that may assist in the removal of this species from the endangered species list. The initiative will be further enhanced by educating and engaging citizens in recovery and conservation actions.

MANITOBA CHIMNEY SWIFT INITIATIVE (MCSI)

Proponent: Manitoba Naturalists Society
Date Approved: December 22, 2007
Total Amount Approved: $15,000.00
Total Amount Expended: $15,000.00

Summary:

A grant of $15,000.00 was approved to implement Year 1 of the Manitoba Chimney Swift Initiative to increase the knowledge on the status of Chimney Swifts in Manitoba and to implement measures to reverse perceived declines. Reference material and species-specific data will be gathered, interpreted, and shared with all partners respecting Manitoba's Chimney Swifts, with a view to fostering actions in Manitoba and in other parts of their range. A sustainable volunteer-based Manitoba Chimney Swift monitoring and population enhancement program will also be developed and implemented. It is proposed that a minimum of 12 towers or structures, built to withstand the climate in northern latitudes, will be constructed and positioned to provide nesting and/or roosting sites for the species. The Year 1 report will make recommendations to a Steering Committee for future actions and the long-term sustainability of this initiative. For more information on the Naturalists Society visit their web page at www.manitobanature.ca

MANITOBA TALL-GRASS PRAIRIES

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: March 13, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved for research into the effects of tall-grass prairie loss and fragmentation on birds, invertebrates and vegetation while identifying the number and ecological status of tall-grass prairies remaining in Manitoba. The study aims to demonstrate trends in prairie conservation over the last two decades, identify fragmentation effect on birds, and provide baseline data so that future prairie loss and degradation in Manitoba can be quantified and prevented. A thorough inventory of existing prairies, an evaluation of recent trends in conservation of tall grass prairies and the stresses that influences it will be undertaken to understand the potential effects of further loss and degradation of this complex ecosystem. Bird, invertebrate and plant community surveys will be conducted to determine the quality of prairie remaining in Manitoba and to determine the reasoning for effects of prairie size and matrix type on prairie bird and plant communities. Vegetation surveys conducted during the 1980's and 1990's will be compared with those conducted from 2006 to 2008. In addition, tall-grass prairie sites identified in 2006 by the Conservation Data Centre will also be surveyed.

MONITORING KILLER AND BELUGA WHALES

Proponent: University of Manitoba, Department of Zoology and Fisheries and Oceans Canada
Date Approved: March 13, 2007
Total Amount Approved: $21,000.00
Total Amount Expended: $21,000.00

Summary:

A grant of $21,000.00 was approved to measure and evaluate the effects of distribution and abundance of killer whales on beluga whale populations in the Hudson Bay area. Northerners have expressed concerns regarding the impacts killer whales may have on other species, as killer whales have been observed preying on marine mammals, including beluga whales. Although there is an abundance of information on Pacific Ocean killer whales, there is little known on the killer whales in the eastern Arctic. Baseline acoustic information will be collected and past and future sighting data will be used to estimate abundance, seasonal distribution, movements, behaviour and possible predation effects on marine mammals. Measuring the effects on beluga whale populations will assist in developing management options to protect populations. Belugas summer in river estuaries in Hudson Bay including the Churchill, Nelson, and Seal Rivers and are an important species for eco-tourism in Churchill, Manitoba.

NORTH INTERLAKE WOODLAND CARIBOU GENETIC MARK-RECAPTURE

Proponent: Northwest Region Woodland Caribou Advisory Committee
Date Approved: March 13, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

Summary:

A grant of $25,000.00 was approved to undertake activities to conserve a self-sustaining population of woodland caribou in the North Interlake region of Manitoba. Baseline data of herd dynamics for future comparisons of range distribution, gene flow, genetic connectivity to adjacent herds and population stability/decline will be established. In addition, a statistically derived estimate of this caribou population size will be obtained using a capture/recapture technique. This technique allows comparison of caribou genotypes collected on one survey with the genotypes collected from a second survey. Fixed winged and rotary winged aircraft charters will be used to collect fecal samples so that DNA can be extracted and analyzed.

POLAR BEARS AND CLIMATE CHANGE

Proponent: University of Alberta, Biological Sciences Centre
Date Approved: March 20, 2007
Total Amount Approved: $48,200.00
Total Amount Expended: $48,200.00

Summary:

A grant of $48,200.00 was approved to conduct research on polar bear movement patterns, habitat selection, and home range sizes as it relates to sea ice dynamics in western Hudson Bay. Shifts in polar bear population numbers and age/sex structures, as well as changes in population weight dynamics are being used as indicators of climate change, and changes in movement patterns of polar bears may influence resource management requirements if the changes result in more bears impacting human populations. This research is expected to provide information on the impacts of climate change on polar bears, assist in maintaining the ecological integrity of northern ecosystems, and help to develop meaningful and effective management strategies. In addition to research activities, local teachers will be approached to help develop educational programming for youth. Local students will have the opportunity to track GPS locations via the internet.

PUBLISH MANITOBA BIRDERS' GUIDE

Proponent: Manitoba Naturalists Society
Date Approved: November 6, 2006
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

Summary:

A grant of $5,000.00 was approved to publish "The Birders' Guide to Southern and Central Manitoba". The publication will draw on information from previous books, as well as the collective knowledge of birders, to describe various birds likely to be sighted at approximately 75 sites and routes from the Manitoba/North Dakota border north to The Pas. For more information on the Naturalists Society visit their web page at www.manitobanature.ca

SAVE OUR SKINKS WEBSITE

Proponent: NatureNorth.com
Date Approved: March 13, 2007
Total Amount Approved: $12,500.00
Total Amount Expended: $12,500.00

Summary:

A grant of $12,500.00 was approved to create a website that will help protect critical habitat of prairie skinks and raise public awareness on this endangered lizard. The website will feature an interactive data collection and information sharing system to allow landowners and the public to get involved with skink conservation and recovery activities. Individuals will be able to post comments, observations or data related to skinks in Manitoba, as well as provide links to other prairie skink research activities and results. In addition, landowners in south-western Manitoba will be canvassed to participate in a test of the data gathering and sharing component of the website before it is officially launched. For more information on Nature North visit their website at www.naturenorth.com

SHANTY CREEK WATERSHED EDUCATION CENTRE

Proponent: Intermountain Conservation District
Date Approved: June 16, 2006
Total Amount Approved: $6,000.00
Total Amount Expended: $6,000.00

Summary:

A grant of $6,000.00 was approved to establish the Shanty Creek Watershed Education Centre (SCWEC) to promote resource conservation and management activities within the district. The Centre will include an outdoor education site, a mobile learning facility, a resource library, and an educational website. As well, 2/3 km of a riparian trail will be enhanced and expanded, a GPS survey of Shanty Creek will be undertaken, pedestrian bridges will be designed and constructed, interpretative signage and environmental monitoring equipment will be installed, and educational DVDs on the importance of healthy watersheds will be created. For more information visit their web page at www.mcda.ca/intermountain.htm

STUDY TO SUPPORT BEAR SMART BEHAVIOUR IN COTTAGE COMMUNITIES, YEAR 2

Proponent: University of Manitoba, Recreation Management
Date Approved: March 22, 2007
Total Amount Approved: $19,000.00
Total Amount Expended: $19,000.00

Summary:

A grant of $19,000.00 was approved for the second year of a study to compare the attitudes and behaviour of residents from three cottage communities on the East Side of Lake Winnipeg at various stages of problem mitigation of human-bear conflict. Three cottage communities were targeted in year one where bear attractants were audited and surveys distributed. The baseline information collected during year one will be used for the remainder of the project. One of the most important revelations of the study is that a large number of cottages are rented. This transient group may not be aware of the potential for human-bear conflict. Audits and surveys will be expanded to Pinawa to provide a comparison community.

UNDERSTANDING SAW-WHET OWL MOVEMENTS AND POPULATION TRENDS

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: December 12, 2006
Total Amount Approved: $36,000.00
Total Amount Expended: $36,000.00

Summary:

A grant of $36,000.00 was approved to conduct research to better understand the Northern Saw-whet Owl's population ecology, distribution, migratory behaviour, and conservation status in the Prairie Provinces. Research activities are expected to contribute towards sound natural resource management by identifying migratory origins and potential areas and habitats of conservation concern, and to foster environmental awareness and stewardship responsibilities by promoting and demonstrating banding and educational activities on the saw-whet owl to the public. Owls will be captured at the Delta Marsh Bird Observatory (DMBO), banded, measured, aged, sexed and released. Feather samples will be collected for stable isotope analysis at the Prairie and Northern Wildlife Research Centre in Saskatoon and migration monitoring data will be analyzed and submitted to Bird Studies Canada.

WATER CONSERVATION/LAND MANAGEMENT COURSE

Proponent: Fort La Bosse School Division, Education for Sustainable Development Team
Date Approved: September 5, 2006
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

Summary:

A grant of $10,000.00 was approved to develop a new school initiated on-line course focusing on land management and water conservation, with a mandatory field work component for high school students. The Upper Assiniboine River Conservation District will assist in the delivery and fieldwork component of the course, and the Assiniboine Community College will designate the course as a pre-credit course under its Land and Water Management Program. The project intends to expose students to a range of environmental issues, promote environmental awareness and stewardship and teach students basic skills and knowledge about the environment using both theory and hands-on training. Students will learn basic terminology and practices involved in land and water management, explore current local and international environmental issues, and participate in hands-on field work involving water sampling of macroinvertebrates, stream bank restoration, and basic soil sampling. For more information on the school division visit their web page at www.flbsd.mb.ca

WIND POWER AND MIGRATORY BATS

Proponent: University of Winnipeg, Centre for Forestry Interdisciplinary Research (C-FIR)
Date Approved: March 13, 2007
Total Amount Approved: $24,958.00
Total Amount Expended: $24,958.00

Summary:

A grant of $24,958.00 was approved to conduct a three year study to determine potential impacts of wind power on forest bat populations in Manitoba by quantifying mortality throughout the year at operational wind plants. In addition, baseline pre-construction data will be collected to determine if bats are attracted to wind turbines, taking into account influence of season, weather and proximity to forest roosting habitat at proposed wind farms. As a result, recommendations to mitigate the impact of wind facilities on wildlife in Manitoba will be developed. Community volunteers will be enlisted to conduct systematic surveys beneath the wind turbines at St. Leon and other sites as they become operational, and trained hunting dogs will be used to help improve detection rates.

SPECIAL INITIATIVES

ALLOCATED FUNDING

DURING THE 2006/2007 FISCAL YEAR

UNDER THE SDIF OPEN CATEGORY

Number of Projects: 1

Total Amount Expended: $121,900.00

Initiative	Total Expended
Green Building Policy Coordination Unit	$121,900.00

SPECIAL INITIATIVES

DETAILS OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

GREEN BUILDING POLICY COORDINATION UNIT

Administered by: Green Manitoba, Manitoba Science, Technology, Energy and Mines
Date Approved: April 18, 2006
Total Amount Approved: $121,900.00
Total Amount Expended: $121,900.00

Summary:

The Provincial Green Building Policy, announced in June 2006, intends to improve the environmental, energy and economic performance of new and renovated buildings, funded by the Government of Manitoba. This policy applies to commercial and institutional projects funded by the Government of Manitoba, including Crown Corporations and agencies. All building projects covered by this policy must achieve a minimum of a Silver rating under the Canada Green Building Council's LEED® Canada NC Version 1.0 Green Building Rating system for New Construction and Major Renovations". Green building projects using LEED® are certified with a rating – Certified, Silver, Gold or Platinum – that is determined by the total number of points attained. All building projects covered by this policy must also achieve at least three additional LEED® points for increased levels of energy performance above the prerequisite standard, comply with Manitoba Hydro's Power Smart Design Standards, and participate (if eligible) in Natural Resources Canada's Commercial Building Incentive Program or EnerGuide for Existing Building Program.

An allocation of $121,900.00 was approved to establish the Green Building Policy Coordination Unit in order to fulfill the objective of informing stakeholders about the Provincial policy. This Unit consulted with major government departments and industry stakeholders to further develop and refine the Provincial Green Building Policy and to facilitate delivery of this policy.

BROAD ALLOCATIONS CATEGORY

FUNDING ALLOCATIONS

DURING THE 2006/2007 FISCAL YEAR

Number of Broad Allocations: 7

Total Amount Expended: $1,764,771.47

Project Name	Total Expended
Environmental Youth Corps (EYC)	$200,000.00
Manitoba Climate Change Action Fund (MCCAF)	$249,000.00
Waste Reduction and Pollution Prevention (WRAPP) Fund	$549,765.62
Water Stewardship Fund (WSF)	$348,758.61
Bear Smart Initiative	$114,467.24
Manitoba Forestry Association Woodlot Program	$200,000.00
Orphan Mine Site Assessment Program	$102,780.00

BROAD ALLOCATIONS CATEGORY

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2006/2007 FISCAL YEAR

ENVIRONMENTAL YOUTH CORPS

Proponent: Manitoba Conservation
Date Approved: 2006/2007 Treasury Board Estimates Review Process
Total Amount Approved: $200,000.00
Total Amount Expended: $200,000.00

Summary:

The Environmental Youth Corps (EYC) has provided Manitoba's young people with an opportunity to prepare for the environmental challenges of tomorrow by helping them gain valuable education and experience today. EYC encourages youth to volunteer within their community for projects to improve and protect Manitoba's environment. The EYC program allows youth the opportunity to be involved in a variety of environmental activities that may otherwise not occur. The EYC program has demonstrated the government's commitment of increasing the opportunities for young people to be involved in environment-related activities, and to further the commitment of environmental protection and education for youth.

Environmental projects eligible for funding to a maximum of $5,000.00 include (but are not restricted to): water quality, waste minimization (recycling, composting, etc.), protection of flora and fauna, rehabilitation and conservation of the natural environment, wildlife conservation and habitat preservation.

EYC SUMMARY

Total EYC 2006/2007 Allocation	**$200,000.00**
Applications Processed	118
Applications Approved	95
Applications Declined	18
Applications Deferred	2
Applications Withdrawn	3
Number of Youth Involved	6,765
Total Amount of Grants Approved/Expended	$177,898.98
Administration Costs (travel, printing, promotion, Coordinator's salary)	$ 22,101.02
Total Expended	**$200,000.00**

Brief descriptions of the 95 projects approved under the EYC program during the 2006/2007 fiscal year are as follows:

RED RIVER REGION

Boys and Girls Club of Winnipeg Inc. received $2,575.00 to involve 20 youth in an urban agriculture and waste minimization program. Youth planted and harvested vegetables, as well as collected organic waste to develop an urban organics vermicomposting program and used the compost as fertilizer.

Boys and Girls Club of Winnipeg Inc. received $3,540.00 to involve 15 youth in a community enhancement project building raised flowerbeds, planting trees, shrubs and perennials native to Manitoba. They also created and placed signs on Aboriginal teachings.

Boys and Girls Club of Winnipeg Inc. received $2,400.00 to involve 90 youth in an urban agriculture and waste minimization project. Over the winter, youth participated in various activities at the Fort Whyte Farm, including maintaining an indoor vegetable and fish growing operation and expanding vermicomposting operations.

Coalition to Save the Elms, Manitoba Inc. received $3,565.00 to involve 10 youth in a tree banding campaign. Youth planted and banded trees along Winnipeg's boulevards and riverbank corridors to protect them from cankerworms. Youth also attended information workshops on the prevention and identification of Dutch Elm disease and other tree pests and diseases.

Crow Wing Trail Association Inc. received $2,270.00 to involve six youth in creating a nature trail and place directional signs along the TransCanada Trail.

Crystal Springs School, Ste. Agathe received $960.00 to involve 38 youth in planting a shelterbelt of trees, shrubs and vines.

Discovery Children's Centre Inc. received $2,448.00 to involve 60 youth in an "Adventure Playground" project. Youth assisted in constructing two flower beds and creating woodchip pathways.

École Golden Gate Middle School received $850.00 to involve 20 youth in a schoolyard beautification and waste minimization project. Youth created a Reduce, Reuse, Recycle educational video, collected and sorted recyclables, participated in community clean up and planted flowers at the front entrance of the school.

École Julie-Riel received $2,900.00 to involve 50 youth in a schoolyard beautification project. Students filled planters with soil and planted flowers.

École Julie-Riel Parents Association received $2,000.00 to involve 25 youth in a schoolyard enhancement project planting trees and creating walking and biking paths.

École River Heights School received $1,225.00 to involve 10 youth in building raised flowerbeds, creating pathways and planting trees and butterfly attracting perennial plants on the school grounds.

École Riverbend Community School received $280.73 to involve a youth in community clean up activities. The youth picked up litter, as well as weeded and watered flowerbeds.

École Secondaire Kelvin High School received $2,600.00 to involve 30 youth in a community project constructing walking trails, planting indigenous grasses and wildflowers, and building and locating wood duck and bat boxes at Vermette Park.

Faraday Elementary School received $1,045.00 to involve 400 youth in the creation of a butterfly garden and learning about the butterfly's lifecycle.

Fort Whyte Alive! received $3,420.00 to involve four youth in planting native shrubs and perennials and helping in clean-up activities.

Friends of the Garden, St. Claude received $2,556.00 to involve 150 students in a community garden project. Youth planted flowers, started by seed for transplantation, into a theme garden surrounding the historical site of the town jail. Youth also planted trees, shrubs and flowers and identified and labeled flora.

Girl Guides of Canada – Manitoba Council, Winnipeg received $3,650 to involve 300 youth in a community enhancement project planting 500 native poplar trees.

Glenlawn Collegiate Institute Co-op Education Program received $856.38 to involve 13 youth in a green space enhancement project. Youth created two outdoor resting areas by constructing picnic tables and planting prairie perennials and shrubs.

Glenway Colony School, Dominion City received $1,000.00 to involve 30 youth in Phase II of "Preserving and Knowing Our Ecosystems", as well as extending nature/hiking trails along the Roseau River.

Hampstead School Outdoor Education Club received $2,960.00 to involve 30 youth in "Monarchs in the Classroom", which provides the youth an opportunity to rear, release, and collect adult butterflies. In addition, youth assisted in constructing raised flower beds, planting trees, spreading mulch and tending nesting structures as part of their school ground revitalization project.

Harold Hatcher Elementary School, K-Kids received $550.00 to involve 33 youth in a schoolyard beautification project cleaning up litter, establishing butterfly gardens and planting shrubs and native perennials.

John W. Gunn Middle School received $225.00 to involve 20 youth in a waste minimization project sorting and organizing recyclables and maintaining a vermicompost bin. The compost will be used to grow plants in the greenhouse for transplantation into the schoolyard gardens.

John W. Gunn Middle School received $1,300.00 to involve 24 youth in the project "Greening of John Gunn". Youth were involved in creating a butterfly garden, as well as planting trees, shrubs, and perennials native to Manitoba.

Living Prairie Museum received $1,136.00 to involve 40 youth in a prairie education and enhancement project. Youth learned to plant and propagate wildflowers and prairie grasses, identify flora and locate signage. Youth also assisted in cleaning up litter and debris.

Machray School received $2,675.00 to involve 250 youth in a schoolyard beautification project preparing flowerbeds, as well as planting flowers, trees and shrubs.

Manitou Elementary School received $4,300.00 to involve 150 youth in a schoolyard rehabilitation and enhancement project constructing raised flower beds, planting perennials and trees, as well as sowing grass seed.

Maples Collegiate Institute received $1,750.00 to involve 12 youth in creating a park-like setting by planting over 60 saplings around the schoolyard.

Murdoch MacKay Collegiate Institute received $2,571.00 to involve five youth in enhancing and beautifying the school grounds. Youth planted trees, tended gardens, pruned shrubs, seeded and fertilized grass.

Norberry Community Centre received $270.88 to involve 40 youth in a community clean up, picking up litter and debris from a one acre tree line area.

North End Women's Centre received $1,050.00 to involve 70 youth in preparing and planting an organic vegetable garden, participating in community clean up initiatives and learning how to sort and dispose of recyclables.

Oakenwald School received $1,276.00 to involve 30 youth in a schoolyard beautification project creating garden beds, planting native plants, and installing signage to identify plant species.

O.V. Jewitt School received $1,143.00 to involve 10 youth in the second phase of project "Little Hands Prairie Garden". Students planted red and white poppies to create a "Veteran's Garden" and construct raised garden beds for each classroom to plant various types of vegetation.

Parkside Junior High School received $5,000.00 to involve 175 youth in beautifying the schoolyard by creating flower gardens, planting trees and shrubs and building bat houses.

Prince Edward School received $3,976.00 to involve 60 youth in creating a natural habitat for monarch and painted lady butterflies by planting butterfly attractant vegetation, such as milkweed, parsley, and nectar plants, as well as, other flowers and shrubs native to Manitoba.

Roland Home and School Parent Advisory Council received $1,000.00 to involve 75 youth in a butterfly garden enhancement project raising butterflies from larva to adult stage and releasing them into the garden. In addition, youth helped create limestone pathways and constructed bird and butterfly houses and bird feeders.

Ross Community Centre, Ste. Anne received $1,875.00 to involve 10 youth in planting bird- and butterfly-attracting perennials and shrubs.

Sansome School received $800.00 to establish a gardening club and involve 30 youth in planting annuals, perennials and trees.

St. James-Assiniboia Minor Baseball Association received $1,280.00 to involve 28 youth in planting a shelterbelt of trees and shrubs.

St. John's High School received $700.00 to involve 15 youth in a courtyard greening project planting and maintaining native grasses, perennials and trees.

St. Norbert Arts Centre received $1,795.00 to involve 15 youth in coordinating and providing local residents with information on a compost pick-up service. Youth established a community garden and compost demonstration sites.

Swan Lake First Nation Youth Recreation Program received $1,150.00 to involve 50 youth in a community beautification project, planting and maintaining trees and shrubs at the Assisted Living Complex for elders.

The Friends of the Assiniboine Park Conservatory received $1,204.00 to involve 100 youth in an environmental educational project learning how plants interact with animals and humans. Youth also potted small plants to take home.

The Rotary Club of Charleswood received $3,805.00 to involve 200 youth in enhancing the Assiniboine Forest Trail and participating in clean up events, revegetation and stewardship initiatives.

Town of Gretna received $950.00 to involve 10 youth from Mennonite Collegiate Institute in planting trees and shrubs and participating in forestry and climate change workshops.

University of Manitoba Cycling Association received $2,398.76 to involve 45 youth in a green commuting initiative. Youth promoted cycling as an alternate means of transportation and provided various bike-related seminars.

Victor H.L. Wyatt School received $635.59 to involve 37 students in a community beautification project painting and filling planters with flowers, donating them to local businesses, as well as constructing and locating birdhouses throughout the community.

Vincent Massey Collegiate Sustainable Development Committee received $2,000.00 to involve 12 youth in an energy efficiency project. An Alternative Energy Array (AEA) was constructed on the roof of Vincent Massey where students will monitor data generated by the AEA such as wind speed, kilowatts generated and carbon dioxide reductions, then exchange data with other schools.

Wellington Elementary School received $2,900.00 to involve 200 youth to establish a "boreal forest" outdoor classroom by planting vegetables, trees and shrubs.

Whyte Ridge Elementary School Gardening Committee received $715.00 to involve 400 youth in a schoolyard enhancement project. Youth "Grew a Row" for Winnipeg Harvest and planted perennials and shrubs to create a butterfly garden.

Zoological Society of Manitoba received $993.22 to involve 40 youth in a "Junior Master Gardener Program" to establish and maintain fruit trees and create a wildlife friendly garden.

EASTERN REGION

Berens River Community Council received $2,107.00 to involve two youth in a riverbank clean up collecting and disposing of litter and debris.

Black River First Nation received $1,270.00 to involve 20 youth in a trail enhancement project. Youth spread aggregate along three kilometers of trail and created interpretive signage to identify local flora and fauna.

Local Government District (L.G.D.) of Pinawa received $500.00 to involve 30 youth in the rejuvenation of Pinawa's playgrounds. Youth enhanced existing biking and walking trails, planted trees and participated in community clean up activities.

Sagkeeng Anicinabe High School, Pine Falls received $4,170.00 to involve 10 youth in creating butterfly, humming bird and vegetable gardens and constructing bat and bird houses.

Wings of Power Inc., Pine Falls received $650.00 to involve 12 youth in a community enhancement project planting and maintaining vegetable gardens, as well as sowing grass seed.

INTERLAKE REGION

Dr. George Johnson Middle School Science Club, Gimli received $850.00 to involve 10 youth in creating an outdoor classroom by planting and identifying trees and shrubs, laying sod and pebble pathways, as well as tending to a vegetable garden with the produce being donated to a local food bank.

Matheson Island School received $1,837.00 to involve eight youth in creating raised flower and garden beds, planting trees and shrubs, as well as constructing bird feeders.

St. Laurent Community Development Corporation received $1,075.00 to involve 12 youth in a collecting and composting fish remains and picking up litter and debris along shorelines and in local ditches.

Stonewall Centennial School received $300.00 to involve 40 youth in a schoolyard beautification project. Youth participated in clean up activities, tended to 12 Spruce trees, planted perennials for a butterfly garden and constructed bird feeders.

NORTHEAST REGION

City of Thompson Recreation, Parks and Culture received $1,925.00 to make 61 youth more aware of environmental issues such as recycling, composting and water conservation. Youth also participated in a community clean up along the Millennium Trail and built bat boxes.

Mathias Colomb First Nation Health Authority received $1,856.00 to involve eight youth in cleaning up litter and debris from the shorelines and throughout the community.

Red Sucker Lake Community Council received $1,925.00 to involve five youth in helping to establish a community recycling program. As well, youth picked up litter and debris along the shorelines and throughout the community.

Red Sucker Lake First Nation received $500.00 to involve 150 youth in a community beautification project picking up litter and debris along shoreline, clearing walking trails and planting trees, native wildflowers and shrubs.

St. Theresa Point First Nation received $1,080.00 to involve 10 youth in picking up litter and debris and sowing grass seed from Dutil and Sandy Bar Parks.

Shamattawa Education Authority received $2,475.00 to involve 12 youth in a waste minimization project participating in community clean up activities, clearing and removing debris from the shorelines, as well as promoting recycling to community residents.

NORTHWEST REGION

Cormorant Community Council received $900.42 to involve three youth in a community enhancement project by planting trees and cleaning up litter and debris.

Ruth Betts School Parent Council, Flin Flon received $1,000.00 to involve 10 youth in a schoolyard enhancement project that will create a green space by spreading soil and laying sod.

WESTERN REGION

Camperville Community Council received $3,280.00 to involve 14 youth in constructing and locating waste receptacles and recycling containers throughout the community.

Carroll Hall Committee received $2,530.00 to involve 14 youth planting and watering trees and shrubs at the community park and baseball diamond.

Crane River Recreation Committee received $1,462.00 to involve 15 youth in creating raised garden beds and enhancing community parks.

Dauphin Joint Recreation Commission received $4,895.00 to involve 200 youth in a Vermillion Park rehabilitation project. Youth helped to repair the flood damaged nature trails, remove debris from riverbanks, plant and maintain flowerbeds and promote park recycling.

Decker Colony School received $500.00 to involve 43 youth in planting a shelterbelt of trees and shrubs, as well as sowing grass seed.

Duck Bay School received $1,190.00 to involve 25 youth in a schoolyard enhancement project planting a shelterbelt of shrubs and Poplar trees.

Ebb and Flow First Nation received $2,605.00 to involve a youth in an environmental awareness project. Activities included planting trees, educating community residents on recycling and participating in community clean up activities.

Fort La Bosse School Division, Virden received $1,500.00 to involve 1,000 youth in an Earth Day - Water Education Project. Youth participated in a variety of activities relating to water quality, protection and conservation.

Glenboro 4-H Variety Club received $4,840.00 to involve 35 youth in planting a shelterbelt, as well as constructing and installing birdhouses.

Hamiota Conservation Authority received $2,735.00 to involve 10 youth in a trail enhancement and waste minimization awareness project. Youth from the Hamiota Lions Club assisted in expanding the Rails to Trails pathway south, constructing and installing bat houses and interpretive signage along the trail.

Inglis School received $5,000.00 to involve 55 youth to prepare and plant a 100 foot shelterbelt of native evergreen trees and deciduous shrubs and creating a native grass and perennial garden.

McCreary and District Recycling Centre received $1,237.00 to involve 10 youth in sorting recyclables, creating a "How to Recycle" brochure and planting and maintaining flower beds.

Minegoziibe Anishinabe School, Camperville received $1,818.00 to involve 12 youth in an organic garden project planning, preparing and planting a vegetable garden and establishing a composting site. A portion of the vegetables were donated to Winnipeg Harvest.

Nature Valley School, Wawanesa received $937.00 to involve 15 youth in preserving duck habitat by constructing and locating various types of duck nests.

Neelin High School, Brandon received $2,600.00 to involve 350 youth in a tree planting project. Students from the EcoOdyssey Outdoor School program will educate elementary-aged students on tree ecology. Youth will apply mulch and water trees after the City of Brandon Parks Department have planted the trees.

New Era School, Brandon received $5,000.00 to involve 500 youth in a schoolyard enhancement project by creating a butterfly garden and outdoor classroom based on the medicine wheel. Youth planted native trees, shrubs and perennials, as well as participated in community clean up activities.

Pierson Environmental Group received $1,956.00 to involve 40 youth in planting trees and creating promotional posters for the newly established recycling program. In addition, youth surveyed town residents on how the recycling program could be improved.

Riverheights School Clean up Crew, Brandon received $75.00 to involve 20 youth in a community clean up project picking up litter and debris.

Rossburn Soccer Association received $2,602.00 to involve 13 youth in a community enhancement project planting trees and flowers, as well as siting refuse and recycling bins.

Sandy Bay Training and Employment, Marius received $3,000.00 to involve 25 youth in planting 1,000 spruce, poplar and willow trees and preparing and maintaining community flower gardens.

Spence Lake Recreation Committee received $1,237.00 to involve six youth in a community enhancement project cleaning roadside ditches and constructing raised flower beds and bird houses.

Ste. Rose Recreation Commission received $3,674.00 to involve 15 youth in a trail rehabilitation project. Youth cleared trails of debris, laid a gravel base and planted trees.

The Cross of Freedom Inc. – Trembowla Historical Site and Museum, Dauphin received $780.00 to involve six youth in a community enhancement project. Youth participated in riverbank clean up activities, built and located birdhouses and planted trees and shrubs.

Tiger Hills Conservation District received $700.00 to involve 14 youth in creating a walking trail by clearing brush, and locating benches and interpretive signage along the trail.

Town of Virden received $1,300.00 to involve 14 youth in a boulevard tree renewal project. With assistance from a certified arborist, youth were trained to identify black knot disease, as well as prune and plant trees.

Waverley Park School, Brandon received $1,500.00 to involve 375 youth in a tree planting project. The City of Brandon, Parks Department will plant evergreen trees and the students will adopt a tree to water and maintain over a one-year period.

Wuskwi Sipihk First Nation received $1,000.00 to involve 50 youth in a trail rehabilitation project clearing trails of debris, laying a gravel base and planting trees.

Wuskwi Sipihk First Nation received $1,080.00 to involve two youth to clean up litter and debris along the riverbed, shoreline and drainage ditches.

MANITOBA CLIMATE CHANGE ACTION FUND

Administering Department: Manitoba Energy, Science and Technology, Climate Change Branch
Date Approved: 2006/2007 Treasury Board Estimates Review Process
Total Amount Approved: $400,000.00
Total Amount Expended: $399,000.00

Summary:

During its 2006/2007 Estimates process, Treasury Board approved a one-year Broad Allocation of $400,000.00 under the Sustainable Development Innovations Fund for the Climate Change Action Fund (MCCAF). Manitoba Energy, Science and Technology, Climate Change Branch, administers the Manitoba Climate Change Action Fund (MCCAF) to support practical, Manitoba-based, actions that respond to the issue of climate change. The priority areas MCCAF considered for support in the 2006/2007 fiscal year included projects focusing on public education and outreach, the scientific understanding of climate change impacts and potential adaptation practices, technological innovation, energy efficiency and alternative or "green energy".

MCCAF SUMMARY

Total Allocation for 2006/2007	**$400,000.00**
Applications Processed	11
Applications Approved	11
Applications Deferred	0
Applications Declined	0
Applications Withdrawn	0
Total Amount for Grants Approved	$399,000.00
Total Amount Expended	**$399,000.00**

Brief descriptions of the 11 projects approved under the Manitoba Climate Change Action Fund during the 2006/2007 fiscal year are as follows:

EDUCATION AND OUTREACH

CLIMATE CHANGE CONNECTION PHASE V

Proponent: Manitoba Eco-Network Inc.
Date Approved: April 25, 2006
Total Amount Approved: $42,000.00
Total Amount Expended: $42,000.00

A grant of $42,000.00 was approved to maintain Manitoba Eco-Networks role as host to Manitoba's climate change public education and outreach hub, the Climate Change Connection (C3). C3 was established as part of a national network of hubs responsible for climate change public education and outreach coordination. This support allowed the Connection to continue to act as a clearinghouse of climate change information, coordinate climate change outreach and build awareness and promote actions to reduce greenhouse gas (GHG) emissions.

CLIMATE CHANGE CONNECTION – TRANSITION PHASE

Proponent: Manitoba Eco-Network Inc.
Date Approved: September 12, 2006
Total Amount Approved: $42,000.00
Total Amount Expended: $42,000.00

A grant of $42,000.00 was approved to provide Manitoba Eco-Network with further funding support for the remainder of the 2006/2007 Fiscal Year as bridge funding in light of discontinuation of national programming for climate change public education and outreach hubs. The additional provincial funding support allowed the Climate Change Connection (C3) to continue its role as host of Manitoba's climate change public education and outreach hub. The work focuses on building public awareness of climate change by facilitating Manitobans exposure to materials, actions and activities on climate change; building the capacity of stakeholders to deliver climate change public education and outreach and support this network of practitioners; encouraging the active involvement of Manitobans in activities and lifestyle changes that will help reduce GHG emissions and further refining activities in support of emission reductions in the agriculture and transportation sectors. This included completion of drafts of climate guides for agriculture.

ENERGY EFFICIENCYAND ALTERNATIVE OR GREEN ENERGY

MANITOBA CLIMATE CHANGE COMMUNITY CHALLENGE

Proponent: Manitoba Science, Technology, Energy and Mines
Date Approved: April 25, 2006
Total Amount Approved: $150,000.00
Total Amount Expended: $150,000.00

A grant of $150,000.00 was approved to support continuation of activities related to the Manitoba Climate Change Community Challenge (C4). The C4 program was developed to assist communities identify, plan, and implement innovative energy and resource conservation initiatives that result in reduced GHG emissions. This project is intended to enable Manitoba communities to carry out projects to address the challenge of climate change locally, while achieving sustainable economic success through innovative energy efficiency and resource conservation methods, and providing education and outreach to encourage individuals to take personal action on climate change. Projects in the four pilot Manitoba communities (Brandon, Morden/Winkler, Peguis First Nation and 17 northern communities represented by North Central Communities Futures Development Corporation in Thompson) involved identifying, planning and implementing local energy and resource conservation actions.

IMPACTS AND ADAPTATION

PERENNIAL CROPS PROGRAM

Proponent: University of Manitoba, Department of Plant Science
Date Approved: March 29, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved for project research in establishing and evaluating new first generation perennial crop varieties in nursery plots under local growing conditions. The use of perennial crop varieties could provide a viable alternative production system and for the purposes of this project, will include wheat, flax, and sunflower. The goal of using perennials is to replicate natural growing processes which will achieve crop yields comparable to current means of production. New perennial varieties have the potential to be used in a dual purpose production role combining livestock grazing and crop production. Project research at the completion of one growing season will result in initial recommendations on crop response and will provide guidance and direction on future research efforts. The project has the potential to significantly aid in reducing GHG emissions in the agricultural sector. In addition, perennial crops research could also result in ecological goods and services.

RESOURCE CONSERVATION MANITOBA

Proponent: **Resource Conservation Manitoba**
Date Approved: August 17, 2004
Total Amount Approved: $100,000.00
Total Amount Expended: $100,000.00

A total grant of $300,000.00 was approved in 2004 ($100,000.00 annually over three fiscal years from 2004/2005 to 2006/2007) to provide programs and services aimed at reducing Greenhouse Gas (GHG) emissions in the urban transportation sector through four climate change and urban trip reduction programs, delivered through a strategic and coordinated approach. For the 2006/2007 Fiscal Years, these programs included Active & Safe Routes to School, Manitoba Student Transportation Network, Workplace Transportation demand Management and Commuter Challenge 2007.

Active and Safe Routes to School

Active and Safe Routes to School (ASRTS) aims to reduce GHG emissions by decreasing the use of cars to transport children to and from school. As co-benefits of the program, air quality is improved, children's fitness increases, traffic safety awareness is raised, and the profile of ecologically sustainable transportation choices is increased. The program relies on tools such as walking school buses, Walking Wednesday Clubs, and International Walk to School Week to get children safely to and from school under adult supervision. The program also works to establish 'no-idling' zones for cars around schools. Kits, posters and ongoing support to encourage active participation in ASRTS is also provided.

Commuter Challenge

The Commuter Challenge 2007 project undertook the planning, networking and resource preparation required to further grow the reach and impact of the national Commuter Challenge in Manitoba and to optimize the environmental and education value of this high-profile event. The Commuter Challenge is a national competition that promotes environmentally friendly ways of getting to work and school during Canadian Environment Week each June. Workplaces compete in various size categories through web-based participant registrations. Through the web-based

participation, GHG reductions are automatically calculated during the event. Schools participate on Clean Air Day during Challenge Week. Thousands of Manitobans walked, biked, took transit, carpooled or telecommuted as participants of Commuter Challenge 2007, again making it a huge success and among the highest profile participatory events promoting climate-friendly transportation in this province. A total of 12,881 individuals at 251 workplaces and schools in 21 communities across Manitoba took steps towards better health, cleaner air and money savings. The 2007 effort also enable Winnipeg to recapture a first place standing among major Canadian cities in its population category. Total GHG reductions in Manitoba attributable to Challenge 2007 were over 150 tonnes.

Manitoba Students Transportation Network

Manitoba Students Transportation Network (MSTN) is a student-led trip reduction program for secondary and post secondary schools. High school and university students are encouraged to walk, cycle, carpool, or take transit to school to reduce GHG emissions. In 2006/2007 the program coordinated the Campus Commuter Challenge, Car Free Day and the Commuter Challenge for high schools, provided resources, facilitated workshops, co-organized climate change conferences, and encouraged student participation in sustainable transportation events in Manitoba. In total, through project work and partnerships, MSTN provided services to seven university campuses and over 30 high schools across the province.

Workplace Transportation Demand Management (TDM)

This program (formerly Workplace Trip Reduction) follows up with Commuter Challenge worksites to support year-round sustainable transportation choices. Through transportation demand management (TDM) approaches, the program aims to increase transportation efficiencies and helps to reduce GHG emissions by encouraging alternatives to the use of single-occupant vehicles. Using tools such as surveys, checklists, site assessments, education, incentives, and removal of barriers to alternative modes of travel, TDM provides a flexible means of achieving environmental, cost-saving and health benefits at participating locations. Trip reduction programs are a means to encourage the adoption of alternative modes of transportation including transit, safe cycling, walking, carpooling, and telecommuting. In 2006/2007, RCM delivered trip reduction and TDM resources and worked to build on previous relationships with Manitoba workplaces, offering services through an established network of Commuter Challenge workplace coordinators, creating and delivering significant new trip reduction and TDM resources such as case studies, "Active & Green" commuting e-newsletters, "Get Active with Human-Power" materials and a made-in-Manitoba commuting emissions calculator. During the course of the year, RCM also refined the existing workplace survey tool, as well as expanding the reach of the program to additional work sites and partners through displays and presentations.

WINSMART BASELINE SURVEY

Proponent: City of Winnipeg
Date Approved: March 29, 2007
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

A grant of $10,000.00 was approved for a baseline survey of the WinSmart Showcase. Through the extensive larger showcase initiative, the City and partner agencies are implementing a wide range of innovative strategies to improve energy efficiency and reduce GHG emissions in Winnipeg. The WinSmart Baseline Survey will provide preliminary GHG emission baseline measurement data which will contribute to the Community Based Travel marketing component of the larger WinSmart Project. The long-term benefits of this survey are expected to include its contribution towards mitigating the negative effects of climate change, and creating a more sustainable transportation system.

TECHNOLOGY INNOVATION

POLAR AIRSHIP DEMONSTRATION PROJECT

Proponent: ISO POLAR Airships Inc.
Date Approved: March 29, 2007
Total Amount Approved: $5,000.00
Total Amount Expended: $5,000.00

A grant of $5,000.00 was approved to support a flight demonstration to isolated Northern Manitoba communities using a Canadian airship. This project involved delivering perishable produce cargo to a remote First Nation community, measuring GHG emissions per tonne/kilometre, and displaying the airship's capabilities as a platform for geo-physical survey and scientific research. The benefits of airship technology include its potential as a means to improve the social conditions of remote First Nations communities, mitigate the negative effects of climate change, avoid the land disturbance associated with surface transport, and create a more sustainable transportation system for northern Manitoba (cargo transportation, resource exploration and development).

RE-TRAC SOFTWARE FOR MANITOBA EPR PROGRAMS

Proponent: Green Manitoba
Date Approved: March 29, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to support the demonstration of a made-in-Manitoba web-based data management system for tracking waste and recycling activities. The system will enable users to collect and report waste management data in a consistent manner. Use of the system will allow local level data to be compared with data from other areas and among communities. This ability has been lacking despite numerous attempts by agencies to develop a core set of data. The program represents a significant step in developing the capacity to measure, record and report waste management and GHG emission data.

WASTE REDUCTION AND POLLUTION PREVENTION (WRAPP) FUND

Proponents Are: Manitoba Conservation, Pollution Prevention Branch
Date Approved: 2006/2007 Treasury Board Estimates Review Process
Total Amount Approved: $550,000.00
Total Amount Expended: $549,765.62

Summary:

On May 30, 2000, Treasury Board authorized the Department of Conservation to proceed with the implementation of a new Broad Allocation, the Waste Reduction and Pollution Prevention (WRAPP) Fund, funded from the Sustainable Development Innovations Fund. This program was allocated $550,000.00 for the 2006/2007 fiscal year.

The WRAPP Fund supports projects in the following priority areas: construction and demolition waste management, composting, institutional waste reduction, market development, pollution prevention, integrated waste management system development and planning, promotion and education, parks projects, regional recycling, and green procurement. Financial partnerships are encouraged.

Up to $100,000.00 of the total allocation is set aside for program development.

The Minister of Conservation has delegated grant approval authority up to $25,000.00, including approvals flowed or phased over more than one fiscal year.

WRAPP FUND SUMMARY

Total Allocation for 2006/2007	**$550,000,00**
Applications Processed	25
Applications Approved	18
Applications Deferred	0
Applications Declined	7
Applications Withdrawn	0
Total Amount for Grants Approved	$451,940.00
Total Amount for Grants Expended	$451,940.00
Program Development (consultations, promotions, requests for proposals, seminars, materials, etc.)	$ 97,825.62
Total Expended	**$549,765.62**

Brief descriptions of the 18 projects within the priority WRAPP areas are as follows:

COMPOSTING

BACKYARD COMPOSTING SALE 2006

Proponent: City of Winnipeg
Date Approved: September 5, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved for a truckload composting sale. A composting event was held in four different locations in Winnipeg to sell 5,000 Earth Machine composters. The composters were sold at a subsidized price of $25.00 each, including taxes. Promotional displays and composters were available for television and radio give-away. Resource Conservation Manitoba (RCM) was on-site to direct grass roots promotion and recruit people for composting workshops.

CONSTRUCTION AND DEMOLITION WASTE

ONE COMMUNITY'S TRASH IS ANOTHER COMMUNITY'S TREASURE

Proponent: Russell Memorial Arena Commission
Date Approved: January 3, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to reclaim wood from the Dauphin arena deconstruction for a Main Street revitalization project in Russell, Manitoba. In addition to the paired arches at each Main Street intersection, a new wellness centre, connected to the current arena and library, will be constructed from the surplus materials. The centre will house a walking track, the Russell Fitness Centre, a conference and meeting space, multi-use space (for dance instruction, martial arts training, etc.), a health food café, practitioner's offices, other wellness-related business enterprises and a garden space.

INTEGRATED WASTE MANAGEMENT

DEVELOPING WASTE REDUCTION PROGRAMS AT THE MANITOBA METIS FEDERATION HOME OFFICE

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: January 3, 2007
Total Amount Approved: $12,440.00
Total Amount Expended: $12,440.00

A grant of $12,440.00 was approved to implement a holistic waste management system at the Manitoba Métis Federation Offices. The system will include a composting program and a paper and disposable dish reduction campaign. Outside experts will conduct environmental and waste audits. The level of improvement in waste management will be evaluated.

DIVERTING WOOD WASTE AT THE UNIVERSITY OF MANITOBA

Proponent: University of Manitoba, Physical Plant
Date Approved: September 5, 2006
Total Amount Approved: $15,000.00
Total Amount Expended: $15,000.00

A grant of $15,000.00 was approved to purchase a woodchipper to perform on-site chipping of pruned wood waste collected by the University of Manitoba's grounds maintenance staff. An on-site chipper will enable the university to produce most of its own woodchip mulch for use on the university grounds.

LOUISE INTEGRATED WASTE MANAGEMENT, BUILDING EQUIPMENT PHASE

Proponent: Rural Municipality of Louise
Date Approved: January 3, 2007
Total Amount Approved: $12,000.00
Total Amount Expended: $12,000.00

A grant of $12,000.00 was approved to purchase recycling equipment for a regional waste facility in the Rural Municipality of Louise. The facility serves three municipalities, including the Village of Crystal City, Town of Pilot Mound and the Rural Municipality of Louise. The intent of the project is to reduce the volume of solid waste being landfilled, further enhance recycling and process the remaining household waste through a shredder.

PLAN FOR THE UTILIZATION OF BRADY LANDFILL GAS AT THE UNIVERSITY OF MANITOBA

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: September 5, 2006
Total Amount Approved: $12,600.00
Total Amount Expended: $12,600.00

A grant of $12,600.00 was approved for a feasibility study to use gas from the Brady Landfill as power at the University of Manitoba's Physical Plant. Three aspects will be considered: recovery, transport, and the end use of the landfill gas. For each aspect, alternatives will be assessed for their economic, environmental and social impacts.

REGIONAL WASTE MANAGEMENT PROJECT

Proponent: Parkland Agricultural Resource Coop Ltd.
Date Approved: September 5, 2006 and March 22, 2007
Total Amount Approved: $19,000.00
Total Amount Expended: $19,000.00

Two grants of $14,000.00 and $5,000.00 were approved for the second phase of a study by UMA Engineering on regional waste management in the parkland area. Phase one of the study investigated landfills used by the 10 municipalities in the area and selected three potential sites to be assessed for environment, economic and community suitability. Phase two involves an initial assessment of each of the three selected candidate sites, conducting a detailed site investigation and drilling program, installing piezometers, testing soil permeability, testing geotechnical factors in the laboratory, surveying the site topography and presenting the findings.

SOLID WASTE MANAGEMENT IN A HEALTH CARE FACILITY: PURSUIT OF BEST MANAGEMENT PRACTICES AT DEER LODGE CENTRE

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: March 22, 2007
Total Amount Approved: $12,500.00
Total Amount Expended: $12,500.00

A grant of $12,500.00 was approved to examine the solid waste impacts of Deer Lodge Centre in Winnipeg, provide recommendations that will have long-term environmental, social and economic benefits, based on best management practices, and implement approved projects. A Master's student will undertake a solid waste audit at Deer Lodge to provide baseline information on waste generation. This information will be used to assess disposal costs and develop activities to divert waste from landfill.

TOWN OF ALTONA, R.M. OF RHINELAND AND TOWN OF GRETNA WASTE MANAGEMENT SITE FEASIBILITY STUDY

Proponent: Town of Altona, Rural Municipality of Rhineland and Town of Gretna
Date Approved: March 22, 2007
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

A grant of $10,000.00 was approved to investigate the possibility of establishing a regional waste management system. The area's current waste management site is a Class II facility. The overall project will include an evaluation of the existing waste site, detailed site analysis, and community consultation.

POLLUTION PREVENTION

PREVENTING THE RELEASE OF ODS FROM HOUSEHOLD APPLIANCES – A PILOT PROJECT

Proponent: Flin Flon & District Environmental Council Inc.
Date Approved: September 5, 2006
Total Amount Approved: $20,000.00
Total Amount Expended: $20,000.00

A grant of $20,000.00 was approved for a pilot project involving the recovery of ozone depleting substances (ODS) from white goods, such as refrigerators, freezers and air conditioners. The intent of the project is to establish a system in Flin Flon and surrounding area where white goods disposal meets *The Ozone Depleting substances and Other Halocarbons Regulation (MR 103/94)*. After the evacuation work has been completed, the white goods will be deposited at the landfill's scrap metal salvage pile. To complement the project, there will be a public awareness campaign to raise attention about the importance of proper disposal of white goods.

PROMOTION AND EDUCATION

CAPITAL REGION COMPOSTING SYMPOSIUM

Proponent: Resource Conservation Manitoba
Date Approved: January 3, 2007
Total Amount Approved: $11,800.00
Total Amount Expended: $11,800.00

A grant of $11,800.00 was approved to host a two-day symposium for all key current and potential stakeholders in the Winnipeg Capital Region interested in using composting to manage the organic, compostable portion of municipal solid waste. The intent is to provide compost industry stakeholders and their potential clients a forum to connect and foster increased composting activity and capacity within the Capital Region. A survey of those in the Institutional, Commercial &Industrial (ICI) sector interested in the possibility of separating their organic waste for composting will be conducted and the survey results will be used to design the Symposium.

WASTE REDUCTION SERVICES

Proponent: Resource Conservation Manitoba
Date Approved: September 5, 2006
Total Amount Approved: $125,000.00
Total Amount Expended: $125,000.00

A grant of $125,000.00 was approved to provide programs and services aimed at reducing waste, to be delivered through a strategic and coordinated approach. Waste Reduction Services is comprised of three main areas: Community Action on Composting 2006, Environmental Speakers Bureau and Waste Reduction Week Activities, which includes the Reducing Waste website.

Community Action on Composting (CAC) Program

Through CAC, Resource Conservation Manitoba (RCM) proposes to expand the knowledge of waste reduction and composting by reaching out to schools, households, home gardeners, community gardeners, sustainability coordinators, municipalities, provincial departments, agricultural producers, and community decision-makers through workshops, displays, presentations, demonstrations, community events, promotional materials, an info-line, and a website.

Environmental Speakers Bureau (ESB)

Through the ESB, RCM will continue to distribute resource kits to schools outside Winnipeg, and to provide interactive classroom presentations for all grade levels in Winnipeg schools on sustainability topics such as recycling, composting, paper, water, ecological footprint, and climate change.

Waste Reduction Week

As the organizing agency for Waste Reduction Week in Manitoba, RCM will co-ordinate the flow of information and materials between the national Waste Reduction Program and Manitoba participants, and will distribute waste reduction and energy conservation information to schools, municipalities, and businesses in Manitoba. The reducing waste website was established in 2002. RCM will work in cooperation with other partners to develop a plan to update and maintain information on the website.

INDEPENDENT SCHOOL ENVIRONMENTAL FUNDING PROGRAM

Proponent: Manitoba Science, Technology Energy and Mines, Green Manitoba
Date Approved: October 3, 2006
Total Amount Approved: $75,000.00
Total Amount Expended: $75,000.00

A grant of $75,000.00 was approved for Green Manitoba to provide grants of up to $500.00 to independent and band-operated schools through the Independent School Environmental Funding Program. These schools are excluded from the Manitoba Education, Citizenship and Youth Education for Sustainable Development (ESD) school program. The program managed by Green Manitoba is intended to support school and classroom environmental education and action on solid waste reduction, (including recycling pick up services), organic waste management and other environmental priorities, (including energy and water conservation, school naturalization, sustainable and active transportation initiatives). Schools must apply for the grant on an annual basis.

MOU FOR ENVIRONMENTAL SERVICES 2006/07

Proponent: Resource Conservation Manitoba
Date Approved: September 5, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved for a Memorandum of Understanding (MOU) for environmental services, signed by the Minister of Conservation and Resource Conservation Manitoba (RCM). The project is the second year of a two-year agreement that has provided the non-profit organization with a total of $50,000.00 from fiscal year 2005/06 to fiscal year 2006/07 for operational expenses related to the provision environmental information to Manitobans.

REGIONAL RECYCLING

PARKLAND REGIONAL RECYCLING

Proponent: Portage & District Recycling Inc.
Date Approved: March 22, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to establish a recycling facility in the City of Dauphin for residents and participating communities. The facility will purchase a baler with a conveyor for sorting recyclables to provide service to the city of Dauphin, the rural municipalities of Dauphin, Mossey River, Ethelbert, Gilbert Plains, Ochre River, Ste. Rose and Grandview. Up to five Dauphin residents will be hired to provide curbside recycling collective service and operate the depot.

R.M. OF ST. ANDREWS RECYCLE, REUSE, REDUCE & EDUCATION INITIATIVE

Proponent: Rural Municipality of St. Andrews
Date Approved: September 5, 2006
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

A grant of $10,000.00 was approved to enhance existing recycling efforts within the Rural Municipality of St. Andrews. Recycling bins and stands will be purchased and the municipality will initiate an enhanced recycling program and education to promote its use.

SCRAP METAL RECYLING IN REMOTE NORTHERN COMMUNITIES – ACTION PLAN PROPOSAL

Proponent: North Central Development
Date Approved: March 22, 2007
Total Amount Approved: $4,600.00
Total Amount Expended: $4,600.00

A grant of $4,600.00 was approved to identify a cost effective and feasible method of removing and transporting stockpiled scrap metal in remote Northern communities to a permanent staging ground in Thompson, Manitoba. The scope of this project will include scrap metal handled within municipal waste systems and other irregular stockpiles. Communities involved will be those facing transportation challenges based on their remoteness and size. A plan/strategy will be developed in phase I and a pilot conducted in phase II.

WASTE REDUCTION

SMART PARTNERS OF MANITOBA COMPUTER LENDING LIBRARY

Proponent: Smart Partners of Manitoba
Date Approved: March 22, 2007
Total Amount Approved: $12,000.00
Total Amount Expended: $12,000.00

A grant of $12,000.00 was approved to refurbish usable computers and provide a computer lending service to those who are unable to otherwise acquire them. This program was established during 2006 at the Selkirk and District Community Learning Centre and to date, the program has diverted 78,000 pounds of electronic waste from the landfill. The intent is to develop the technical component required for the delivery of refurbished and working products to participants, including finishing, technical support, software loading and upgrading.

PROGRAM DEVELOPMENT

An allocation was approved for WRAPP program development in fiscal year 2006/2007.

In 2006/2007, the WRAPP Fund expended $97,825.62 supporting the following activities:

- Green Transportation and Commuter Challenge
- Composting Conference and Training
- Water Conservation
- Ozone Depleting Substances Management Program
- Waste Reduction Week
- Product Stewardship Program and Regulation Development
- Canadian Council of Ministers of the Environment (CCME) Pollution Prevention Awards Program and Promotion
- Canadian Pollution Prevention Roundtable sponsorship
- Waste reduction programming in parks
- Administration of the SDIF
- Green buildings
- Professional development

WATER STEWARDSHIP FUND

Managing Department: Manitoba Water Stewardship
Date Approved: 2006/2007 Treasury Board Estimates Review Process
Total Amount Approved: $350,000.00
Total Amount Expended: $348,758.61

Summary:

Treasury Board authorized a broad funding allocation totaling $350,000.00 for 2006/2007 from the Sustainable Development Innovations Fund (SDIF) to provide grants in support of research, projects and activities that further the purpose of *The Water Protection Act*, which received Royal Assent on June 26, 2005, and/or assist in the implementation of watershed management plans or water conservation programs.

The Water Stewardship Fund supports projects in the following priority areas: watershed management planning and implementation, water-related scientific research, education and capacity building, water conservation, water quality, and economic development.

A sub-allocation of $36,000.00 was established for the Zebra Mussel Program.

The Minister of Water Stewardship has delegated grant approval authority up to $25,000.00, including approvals cashflowed or phased over more than one fiscal year.

WATER STEWARDSHIP FUND SUMMARY

Total Allocation for 2006/2007 Water Stewardship Fund	**$350,000.00**
Applications Processed	39
Applications Approved	17
Total Amount for Grants Approved	$313,915.37
Total Amount for Grants Expended	$313,915.37
Zebra Mussel Program	**$ 34,843.24**
Total - Water Stewardship Fund	**$348,758.61**

A brief description of the 17 projects funded under the Water Stewardship Fund, and the Zebra Mussel Program follows:

Water Stewardship Fund

EDUCATION AND CAPACITY BUILDING

MANITOBA WATER CAUCUS, YEAR 3

Proponent: Manitoba Eco-Network
Date Approved: March 6, 2007
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to support the Manitoba Water Caucus in the development and distribution of print and electronic public educational materials and hosting workshops related to water. The primary objective of the Water Caucus is to build capacity amongst non-governmental citizen groups who work on water related issues in Manitoba, by means of education, monitoring of significant events, supporting and promoting positive public engagement opportunities and bringing participants together in a variety of forums. The Water Caucus Coordinator also networks with similar organizations in other jurisdictions that are primarily upstream of Manitoba, where activities may impact Manitoba's water resources. This project will build upon the collaboration, partnership and educational activities established in years one and two.

NIBII: AN INDIGENOUS WATER INVENTORY

Proponent: Photuris and Hollow Water First Nation
Date Approved: August 9, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to build capacity in natural resource management. The project, Nibii, focuses on creation of a water inventory to use as a basis for building awareness and capacity within the community. The project will inventory water resources in order to identify and prioritize issues and concerns within the Hollow Water First Nation Traditional Territory. The water inventory will include traditional and local knowledge, scientific knowledge and methods along with aerial imagery. The aerial imagery, mapping, and other data collected will be collated into a report and series of maps via a community mapping exercise. Elders will be invited to talk with high school students to share their knowledge at the same time as the other maps and data are presented to the students. The youth and elders will have the opportunity to experience and learn of the scientific research that is currently being conducted on Lake Winnipeg. The community will work together and with the collected data, identify and prioritize issues and concerns related to water resources within their Traditional Territory.

SEINE RIVER GREENWAY

Proponent: Save Our Seine River Environment Inc.
Date Approved: August 9, 2006
Total Amount Approved: $18,000.00
Total Amount Expended: $18,000.00

A grant of $18,000.00 was approved to assist Save Our Seine Environment Inc. (SOS) in expanding their role to care for public lands along the Seine River. Through consultation with the City of Winnipeg over the past year, it has been recommended that the SOS formalize their role and responsibility with the city by creating a community management lease model. This recommendation is the result of the Mayor's Red Tape Commission.. Under the new model,SOS will be responsible for planning and projects on public lands along the Seine River and the primary contact for all Seine River related issues. This is a significant transition for SOS.

SOUTHWEST MANITOBA WATER FESTIVAL PROJECT

Proponent: Turtle Mountain, West Souris River, Tiger Hills and Mid-Assiniboine River Conservation Districts
Date Approved: August 9, 2006
Total Amount Approved: $3,300.00
Total Amount Expended: $3,300.00

A grant of $3,300.00 was approved to host the second annual Southwest Manitoba Water Festival, in Souris, Manitoba. This festival is a fun, educational event that fosters stewardship and educates youth and the public about water and various water related issues. Approximately 400 grade five and six students from twelve schools within the four conservation districts are invited to attend the one day educational event.

SUSTAINABLE DEVELOPMENT EDUCATIONAL SCIENCE EXERCISES

Proponent: Manitoba Water Stewardship Fisheries Branch
Date Approved: August 9, 2006
Total Amount Approved: $2,000.00
Total Amount Expended: $1,915.37

A grant of $2,000.00 was approved for the Fisheries Branch of Manitoba Water Stewardship to work in concert with Manitoba Education and Manitoba teachers to develop a program and lessons for Kindergarten through Grade 4 relating to aquatics, water and habitat and the sustainability of our environment. The new course, developed in consultation with Manitoba teachers, will reflect science, technology, society, environment and the economy and will be incorporated into the science curriculum with teaching resources available through a website.

WATER CONSERVATION AND LAND MANAGEMENT COURSE

Proponent: Fort La Bosse School Division Education for Sustainable Development Team
Date Approved: August 9, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to develop an on-line course on land and water conservation and management, which will be offered in all three high schools in the Fort La Bosse School Division. Mandatory field work components will held in a location central to the schools and will be developed in cooperation with the Upper Assiniboine River Conservation District. Course review, resources and mentorship opportunities will be available through Assiniboine Community College in Brandon, in conjunction with their Land and Water Management Program. The land and water management course will address the topics of water, sustainable agriculture, environmental understanding and ecosystem conservation. Student assessment will occur throughout the course and field work, culminating in a final exam.

WATER CONSERVATION

DOMESTIC WATER CONSERVATION PROJECT

Proponent: Winnipeg School Division
Date Approved: March 6, 2007
Total Amount Approved: $24,300.00
Total Amount Expended: $24,300.00

A grant of $24,300.00 was approved to assist the Winnipeg School Division in implementing a comprehensive energy and water conservation project at 14 facilities to reduce operating costs and environmental impact. The five specific sites are Tec Voc High School, Winnipeg School Division Administration Building, Isaac Brock School, Earl Grey School, and Churchill High School. A domestic water use audit was completed and involved the inspection of the washroom fixtures in all five facilities. The project will include replacing toilet flush valves, floor exit toilet bowls, faucet aerators, and urinal flush valves in the selected sites. The division will publish a newsletter on the Energy and Water Project.

GREENING OF CENTENNIAL PILOT PROJECT

Proponent: Building for Urban Industries for Local Development
Date Approved: January 16, 2007
Total Amount Approved: $48,000.00
Total Amount Expended: $48,000.00

A grant of $48,000.00 was approved to support a new energy efficiency and community economic development initiative in Winnipeg's inner city. The project's primary objective is to reduce the energy/utility burden faced by low-income tenants and homeowners in more than 360 rental and owner-occupied homes in the Centennial neighborhood in Winnipeg. Phase 1 is the organizational development phase of the project. Phase 2 is the start-up phase of the project and will target 120 housing units. Phase 3 of the project or the implementation phase will target 240 housing units. The project will train and employ six local community residents and prepare them to work in the home insulation and construction industry. The funding provided by the Water Stewardship Fund will be utilized for the low flow toilet retrofitting component of the project in Phase 2.

WATER-RELATED SCIENTIFIC RESEARCH

ASSESSMENT OF WETLAND POLICY AND PRACTICE

Proponent: University of Manitoba, Natural Resources Institute
Date Approved: March 6, 2007
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

A grant of $10,000.00 was approved for a project that will focus on issues facing wetlands in the south and southwestern section of the province where wetlands are at the greatest risk. This project will facilitate the involvement of key organizations currently involved in wetland conservation efforts in the development of a framework for a wetland policy in Manitoba. The results of the interviews and workshop will be summarized into a written report that will be distributed to all agencies involved in the project, as well as government agencies involved in the development of a wetland policy.

PERFORMANCE OF FLOOD PROTECTION STRUCTURES FOR THE RED RIVER VALLEY

Proponent: University of Manitoba, Department of Civil Engineering, Geotechnical Group
Date Approved: August 9, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved to evaluate the performance of flood protection structures for the Red River Valley, including full-scale model tests and monitoring of the performance of sandbag structures up to eight feet high under simulated flood conditions. Following the 1997 flood, a research project was undertaken by the University of Manitoba to study the reliability and performance of sandbag structures for the City of Winnipeg, Province of Manitoba and the federal government. The research showed some inherent limitations due to the nature of the materials themselves and due to the way in which the structures are constructed. With direct quantitative comparisons between new products and traditional sandbag dikes, decisions can be made by planners and emergency coordinators regarding the deployment of new products and systems for flood protection.

TUNDRA WATER QUALITY AND ECOLOGY STUDY

Proponent: Churchill Northern Studies Centre
Date Approved: August 9, 2006
Total Amount Approved: $10,000.00
Total Amount Expended: $10,000.00

A grant of $10,000.00 was approved for a research study focusing on wetlands across the arctic line near Churchill, Manitoba. Arctic ecosystems, particularly the transition zones, are sensitive areas where the effects of global climate change will be experienced first. This study will focus on increasing understanding of the diversity and types of wetlands across the arctic treeline near Churchill and how water quality and habitat character is related to occurrence and distribution of two frog species. These baseline measurements will be the first steps in a multi-disciplinary, multi-year research project leading to a more complete understanding of the wetland habitats used by species at the limits of their range.

WATER STEWARDSHIP

SURFACE WATER SAMPLING PROGRAM

Proponent: East Interlake Conservation District
Date Approved: August 9, 2006
Total Amount Approved: $25,000.00
Total Amount Expended: $25,000.00

A grant of $25,000.00 was approved for a two-year comprehensive surface water sampling program in the Eastern Interlake Conservation District (EICD), which is located along the western shores of Lake Winnipeg's south basin. The EICD will use the information obtained from this program to characterize all watersheds within the district, calculate a Water Quality Index (WQI) for each watershed, and act as supporting documentation to all Integrated Watershed Management Plans (IWMPs) produced by the EICD. This data will also be compared to relevant water quality objectives and standards to evaluate compliance and aid in prioritizing watershed programming. This short-term, comprehensive water sampling effort will provide EICD staff, the Province and other interested groups, with information to make educated decisions when designing programs to manage the health of its watersheds.

WETLAND CONSERVATION AGREEMENT PROGRAM

Proponent: Turtle Mountain Conservation District
Date Approved: March 6, 2007
Total Amount Approved: $20,000.00
Total Amount Expended: $20,000.00

A grant of $20,000.00 was approved for a wetland conservation agreement program, to protect remaining wetland habitat on private land in the Whitewater Lake Basin. Wetlands are known to be one of the most beneficial ecosystems, as well as one of the most threatened. To foster the preservation of wetlands, the Turtle Mountain Conservation District (TMCD) has formed a partnership with Ducks Unlimited Canada (DUC). This partnership will help to permanently secure wetland habitat in the Whitewater Lake Basin, which has been categorized by DUC as high waterfowl potential with sufficient wetland habitat. In addition, Whitewater Lake and portions of the surrounding uplands have been designated as a Provincial Wildlife Management Area and is included in Manitoba's Network of Protected Areas. The TMCD is continuing to form partnerships with various governmental and non-governmental organizations, corporations and foundations with an interest in raising awareness on habitat conservation in the conservation district.

WATERSHED MANAGEMENT PLANNING AND IMPLEMENTATION

SURFACE WATER MANAGEMENT PLAN

Proponent: Turtle Mountain Conservation District
Date Approved: August 9, 2006
Total Amount Approved: $15,200.00
Total Amount Expended: $15,200.00

A grant of $15,200.00 was approved to develop a surface water management plan within the district. The first step in the surface water plan development will be to gather existing information and house it in a single database from which to draw information to provide a more holistic overview. The project will identify problem areas on the landscape, develop an inventory of all water related infrastructure in the watershed and update the waterway maps to gain a better understanding of changes in surface water management activities over the past few decades. The TMCD will also work with stakeholders to develop guidelines in accordance with *The Water Protection Act* to improve surface water management within the watershed and conservation district.

WATER QUALITY

IMPROVING WATER QUALITY IN LAKE WINNIPEG THROUGH NETLEY-LIBAU MARSH, YEAR II

Proponent: University of Manitoba, Department of Biosystems Engineering
Date Approved: August 9, 2006
Total Amount Approved: $23,000.00
Total Amount Expended: $23,000.00

A grant of $23,000.00 was approved for the second year of a research project to examine how the marsh improves the quality of water flowing into Lake Winnipeg from the Red River. Wetlands are an important component of proper watershed management and, in their natural state, can effectively improve the quality of water that flows through them by retaining, removing and assimilating nutrients, suspended sediments, pathogens and other contaminants. Netley-Libau Marsh is a large freshwater coastal marsh at the south end of Lake Winnipeg, but is not functioning as such. Any benefits it could provide to the lake have been degraded or lost. The study will evaluate the concept of combining further nutrient removal and bio-power production by yearly harvesting of plant biomass. It is the next step in helping to understand how Netley-Libau Marsh can help to improve the quality of water flowing from the nutrient-rich Red River into Lake Winnipeg.

WATER QUALITY IN THE BROKENHEAD RIVER WATERSHED

Proponent: Manitoba Model Forest Inc.
Date Approved: August 9, 2006
Total Amount Approved: $8,200.00
Total Amount Expended: $8,200.00

A grant of $8,200.00 was approved for a water quality study in the Brokenhead River Watershed involving students from Brokenhead Ojibway First Nation (BOFN), Edward Schreyer School and Springfield Collegiate. Students will collect water quality samples during the summer at a number of sites located on the main stem of the river; from the head waters to the community of Scanterbury. The youth will receive training on proper sampling techniques, including use of a flow (velocity) meter and a dissolved oxygen/temperature meter. Youth from BOFN will also take a river trip with Elders to learn about the traditional knowledge of the river. The water quality information will be combined with GIS-based information to examine broad, landscape-level relationships between soils, forests and land use practices and water quality in the watershed. The project will also provide information on the impacts of land use on the Brokenhead River and will contribute to knowledge locally, as well as to the effects of the river on Lake Winnipeg.

WHITEMOUTH RIVER WATER QUALITY MONITORING, YEAR II

Proponent: Whitemouth Reynolds Soil and Water Conservation Association
Date Approved: August 9, 2006
Total Amount Approved: $7,000.00
Total Amount Expended: $7,000.00

A grant of $7,000.00 was approved to continue water quality monitoring of the Whitemouth River. The Whitemouth River runs through an agricultural area that has a large amount of livestock and field crop production. The most productive land is adjacent to the river and drains naturally towards the river. As well, cattle are pastured and watered close to the river. There is concern that these two factors are having a negative impact on the quality of the river water and contributing to the phosphorus load. In the past four years, water quality was sampled and tested for 11 water chemistry variables, including fecal coliform and E. coli bacteria, ammonia, nitrogen, and phosphorus levels. Those results indicate that the river has very good water quality. However, regular sampling is needed to determine whether water quality is being maintained and for early detection of problems.

Zebra Mussel Program

Zebra mussels are small clam-like organisms that are not native to North America. They were discovered in Lake St. Claire in 1988. It is generally believed that they were transported to North America in the ballast water of an ocean going vessel and that this ballast water was then discharged into the Great Lakes system in approximately 1986. Since that time, zebra mussels have spread quickly to all of the Great Lakes, the St. Lawrence and Ottawa rivers, Trent-Severn and Rideau Canal systems, Mississippi River from St. Paul Minnesota to the Gulf of Mexico delta including its major tributaries. More recently, zebra mussels have been found in the Missouri River at Sioux City, Iowa. Although not presently found in Manitoba waters, this costly foreign species is close to our watershed boundaries.

Zebra mussels attach themselves to any suitable submersed surface including the inside of man-made structures. They have caused millions of dollars of damage in the Great Lakes region of Ontario and the US by clogging the intakes of towns, cities, manufacturing industries and utilities. They have severely reduced the recreational value of beach areas and reduced native species important in the food chain.

Dispersion of zebra mussels in large connected water basins is largely due to the movement of commercial watercraft such as large ships and barges that have zebra mussels attached to the hull. Movement of zebra mussels from infected bodies of water to other, isolated bodies of water is due to accidental transport on water-based equipment including boats, trailers, motors, as well as in live wells and bait buckets.

Manitoba remains vulnerable to invasion by zebra mussels. For example, on June 30, 1999, zebra mussels were found on a pleasure boat that was purchased five days earlier at Orillia Ontario (Lake Simcoe) and trailered to a yacht club on the Red River just north of Winnipeg. All zebra mussels were dead and no immatures were found in the bilge water. As a precaution, the owner was ordered to scrape the boat and wash it down with water containing bleach.

Water quality data indicate that numerous lakes and rivers in Manitoba would support populations of zebra mussels. Trailered watercraft with attached zebra mussels has resulted in dispersion to unconnected or isolated bodies of water throughout Michigan, Wisconsin, southern Ontario and, most recently, Brainerd Lakes, Minnesota. Trailered watercraft is recognized as a key vector of zebra mussel dispersion by North American agencies responsible for aquatic invasive species (AIS) prevention and management.

Thus, the likely route of entry of zebra mussels into Manitoba is by accidental introduction from trailered recreational watercraft originating from the Great Lakes area of Ontario and from northeast and central US. The Manitoba / US border offers a convenient inspection location of recreational watercraft trailered from US locations. The international border crossings also offer an opportunity for visiting fishers and recreational boaters to be informed and surveyed about zebra mussels and other aquatic invasive species.

Goal and Objectives:

The primary goal of this program is to prevent accidental introduction of zebra mussels and other aquatic invasive species (AIS) into Manitoba by visitors transporting water-based equipment across our borders. This goal also provides a message to heighten public awareness to the issues of zebra mussels and other AIS in Manitoba. This goal will be achieved by the following objectives:

1. To inspect and survey visitors transporting water-based equipment at various international border crossings in eastern Manitoba. Whiteshell Provincial Park is also a popular recreational destination for visitors. As such, inspections of boats and trailers will be conducted where practical (boat launches, Travel Manitoba Info Centre, etc.)

2. To provide literature (brochure and gift of appreciation) to boating visitors about how to prevent accidental introduction of zebra mussels into Manitoba.

3. To supply information to appropriate Manitoba Government regional offices (brochures, fact sheets, boat-ramp signage) for distribution and posting.

4. Target the boating audience with the clear message of preventing accidental zebra mussel introduction into Manitoba (information provided to registrants of fishing derbies, booth at the Mid-Canada Boat Show, advertisement in the Manitoba Angler's Guide and written articles).

5. To employ students under the STEP Employment Initiative.

Program Results 2006/2007:

Education and Promotion:
Brochures outlining the steps boaters can take to prevent accidental introductions and key chains with the message 'Stop Invasive Species!' were provided to each boater who was inspected and surveyed at the international borders and other boat ramps in eastern Manitoba, including Whiteshell Provincial Park.

From May 1 to August 31, 2006, during the open water season of 2005, two STEP students were employed by Manitoba Water Stewardship to inspect trailered watercraft traveling into Manitoba. Inspections were made at the international border crossings at Emerson and Sprague. In addition, inspections of boat trailers were made at launch sites in the Whiteshell Provincial Park, and along the Red River corridor from Emerson to Selkirk Park. In addition to equipment inspections, boaters were surveyed (where possible) about their general knowledge of AIS. Results of the inspections and surveys are summarized as follows:

Border Crossings:
Students inspected trailered watercraft entering Manitoba at Sprague and Emerson from early May to the end of August, 2006.

- 279 border inspections and interviews were conducted at two international border locations,
- 433 inspections of boat trailers were conducted in the Whiteshell Provincial Park and Red River Corridor,
- 167 of 279 boats (60%) originated from jurisdictions that have waters with zebra mussels,
- no evidence of zebra mussels or other AIS was found on any boat or trailer,
- 14% of visitors trailering a boat did not clean their boat before traveling,
- 14% of the boating visitors were unaware of issues concerning AIS,
- boats originated mostly from the following jurisdictions: Minnesota (48%), North Dakota (11%), Iowa (9%), South Dakota (9%), and Wisconsin (4%).

Public Boat Launch Inspections:

- 443 boat trailers were inspected at 17 launch sites,
- 60% originated within Manitoba,
- 4% originated from Alberta,
- 3% originated from Minnesota,
- No evidence of zebra mussels or other AIS were found on boat trailers.

Program Evaluation:

All five program objectives were met during 2006/2007. Approximately 710 equipment inspections were completed from various locations in eastern Manitoba and 279 surveys of visiting boaters were completed. Brochures and carabiners reminding boaters of AIS were handed out to visiting boaters. Information about preventing zebra mussels was also sent to registrants of Manitoba fishing derbies.

BEAR SMART INITIATIVE

Managing Department: Manitoba Conservation, Wildlife and Ecosystem Protection Branch
Date Approved: 2006/2007 Estimates Review Process
Total Amount Approved: $125,000.00
Total Amount Expended: $114,467.24

Summary:

Treasury Board authorized a broad funding allocation totalling $125,000.00 for 2006/2007 from the Sustainable Development Innovations Fund (SDIF) to support implementation of the *Bear Smart* Initiative in Manitoba.

Black bears sometimes cause damage to apiaries, leafcutter bees, crops, livestock, and private property. On rare occasions, they may also be a threat to human safety in areas such as parks, campgrounds, cottage developments, in and around communities, rural sub-divisions and remote areas.

As cottage and acreage development expands into prime bear habitat and bears re-occupy abandoned farmland, the frequency and intensity of negative human-bear interactions is expected to increase. Unless people do their part to minimize conflict between themselves and bears, more property will be damaged, some people may be harmed, and more bears will be needlessly destroyed.

Through *Bear Smart*, Manitoba Conservation wants to shift the focus away from reactive resolution of conflicts with bears to proactive prevention. By practicing *Bear Smart* principles, the key being — eliminating and/or securing all attractants — bears can be taught to not associate people and dwellings with food. These actions should enhance public safety and maximize resource efficiency.

In 2005, two maulings – one fatal and one non-fatal – heightened awareness and made communities and individuals more receptive to becoming *Bear Smart*. The public is also looking for assurance that it is safe to be in bear country and that the Department is actively working toward ensuring their safety.

Background:

There are an estimated 27,000 to 33,000 black bears in Manitoba. The population continues to exhibit a stable trend in most non-agricultural areas. However, in some agro-fringe areas, the population is increasing.

The variability in human-bear conflict is largely influenced by the density and recruitment of bears in response to natural food availability, along with the level of bear presence and nuisance activity that the public is willing to tolerate.

Since 2002, the Department has, on average, annually:

- Received about 1,600 black bear complaints, two-thirds requiring action by staff.
- Set out over 400 live traps and relocated over 75 bears. This practice has very limited success because it has become more difficult to find areas isolated from human activities, where bears can be released. As well, because bears retain learned behaviour, they are likely to repeat the behaviour in release areas or in the capture area upon their return.
- Destroyed 125 bears, usually in and around communities and recreational areas. The public destroys at least the same amount in rural residential areas, but perhaps at higher levels in agricultural areas, which often go unreported.

- Committed 5,000 hours, driven 111,000 km and spent $110.0 to resolve conflicts that are mostly preventable.

Of the complaints received:

- 42% were in recreational areas,
- 33% were in residential areas and,
- 25% were in agricultural and undeveloped rural areas.

Manitoba Agricultural Services Corporation (MASC) compensates producers for economic losses due to bear damage to crops, livestock, apiaries and leafcutter bee operations. Since 2002, MASC has paid out, on average, $235.0 (179 claims) annually. Private insurance or MPIC compensates for damage to personal property including homes and vehicles (90 in 2005).

An implementation plan for a Manitoba *Bear Smart* Initiative was developed in June 2005. The proposed program identified three Phases:

- Phase 1 – Education and Awareness through public outreach programming, including highway, traffic and pedestrian signs, posters, handout material, newspaper ads, an enhanced website and free community workshops.
- Phase 2 – A five-year pilot study to identify the most effective strategies to encourage *Bear Smart* behaviour over the long-term. Dr. Mike Campbell, University of Manitoba, is leading the study within experimental (Victoria Beach and Grand Beach) and control (Lester Beach/Bel Air) communities.
- Phase 3 – Showcase the positive outcomes derived from the pilot study to other Manitoba communities. Any community wishing to install the necessary infrastructure would be expected to take the lead in implementing and administrating its specific bear-proofing initiatives, with the department providing counsel and facilitating the process.

In October 2005, Department Executive directed staff to:

- Accelerate the education and awareness component for 2006, and
- Implement bear-proofing initiatives in provincial parks.

Program Activities:

In May 2006, Conservation Minister Stan Struthers formally launched *Bear Smart* at a news conference. A free workshop was offered at the Winnipeg Convention Centre.

In June, a letter from the Minister along with an information folder was forwarded to 402 municipal offices and cottage association members, and 62 First Nations' Chiefs and Councils announcing the *Bear Smart* Program. Included in the letter was an invitation to arrange for a free community workshop. As well, Manitoba Hydro included, free-of-charge, a *Bear Smart* article in their *Energy Matters* newsletter distributed to over 500,000 households.

"Bare" campsite posters were developed and distributed to all provincial parks. The posters provide advice to campers on how to avoid conflict with bears by maintaining clean sites. The "Be *Bear Smart*" message and "Bare Campsite Hints for Campers" will be a regular feature in the *Manitoba Parks Guide*.

In July, a new 16-page promotional pamphlet was ad-mailed to 28,000 residences in the ROE postal code area — Selkirk, Cranberry Portage, Flin Flon and Snow Lake — as well as all cottage owners in eastern Manitoba.

Ten English and two French "Be *Bear Smart*" highway signs were installed along provincial highways throughout eastern Manitoba. These signs are intended to remind people, as they enter bear-occupied habitat, that they should be *Bear Smart*. A total of 24 traffic and 110 pedestrian

signs were also created by Manitoba Transportation and Government Services for use in provincial parks. Another 25 highway, 10 traffic and 15 pedestrian signs were purchased, for later installation.

Bear Smart Tips were advertised in each of the Winnipeg newspapers and seven rural papers. Three such advertisements are scheduled each year – mid-May, mid-July and mid-August, reminding people to be *Bear Smart*.

Throughout August Manitoba Conservation and Freeze Frame Productions co-hosted a series of video production workshops for young people, aged 8-12, 13 & 14, 15+, to produce a short video exploring the "*Being Bear Smart*" theme. A total of 46 children took part (Spruce Woods (4), Nutimik Lake (13), Grand Beach (15), and Whiteshell (14)).

The Cottager magazine, which is distributed throughout eastern Manitoba and north-western Ontario, will include a *Being Bear Smart article* in its 2007 spring edition.

Program Results:

Phase 1, education outreach, was completed successfully in 2006/2007. A total of $114,500 was committed to:

- Develop additional handout material, including a new 16-page promotional *Bear Smart* pamphlet, a *Frequently Asked Questions* pamphlet, fridge magnets and lapel pins that link to the highway signs, and a children's activity book.
- Purchase 200 copies each of two DVDs and distribute to all department offices:
  - *Living in Bear Country* – providing practical advice on ways to minimize problems with bears in the places that people live
  - *Staying Safe in Bear Country* – providing information to help reduce human injuries.
  - Copies of each DVD will be available to the public at all district and regional offices as well as Department information centres and libraries. Shaw Cable ran the *Living in Bear Country* DVD throughout 2006 on their public access channel as well as the Cultural channel targeting First Nations viewers.
- Purchase 200 copies of a children's book entitled *The Troublesome Cub*, and distribute to all department offices. The book introduces children to the importance and fundamentals of being *Bear Smart*. The book is to be read to school groups and then left behind as part of the school's reading material.
- Deliver four *Bear Smart* workshops in Winnipeg and in communities in eastern Manitoba. Although few people attended the Winnipeg workshop, over 40 participants attended each of the other three workshops. The purpose of the workshops was to increase people's understanding of why conflicts between humans and bears occur and what people can do when they encounter bears.
- Retro-fit existing garbage cages to prevent bear access and provide bear-proof food storage containers for use in remote campsites in provincial parks in the eastern region.

Evaluation:

Conflict between humans and bears will never be resolved completely. However, the frequency and intensity of that conflict can be managed. Communication is key to the success of the *Bear Smart* initiative.

All program objectives of Phase 1 were met in 2006/2007. Although fewer workshops were held than were proposed, the material presented was well received.

The need to communicate the *Bear Smart* message and upgrade waste management systems in provincial parks is ongoing.

MANITOBA FORESTRY ASSOCIATION WOODLOT PROGRAM

Managing Department: Manitoba Conservation, Forestry Branch
Date Approved: 2006/2007 Treasury Board Estimates Review Process
Total Amount Approved: $200,000.00
Total Amount Expended: $200,000.00

Summary:

In the 2006/2007 Estimates Review, Treasury Board approved a Broad Allocation of $200,000.00 under the Sustainable Development Innovations Fund to support the operations of the Manitoba Forestry Association's Woodlot Program.

The objectives of the Woodlot Program are to promote land stewardship, and to help landowners realize the potential of their wooded property in meeting their personal goals.

Expanded Program

Previously, the Manitoba Forestry Association provided a limited number of woodlot management plans and services to landowners in the Swan Valley area. Under a new agreement and additional funding provided by the Sustainable Development Innovations Fund (SDIF), the Woodlot Program was able to expand services in this area of the Province. A contract employee has actively pursued woodlot management plans in Swan River and surrounding areas and has arranged speaking engagements to promote the Woodlot Program. As well, meetings have taken place with Manitoba Agriculture, Food and Rural Initiatives (MAFRI) to clarify the mandates of the Manitoba Forestry Association Woodlot Program and the Agro-Woodlot program under Manitoba Agriculture. A meeting with Louisiana Pacific provided suggestions on how to mold the Woodlot Program to better serve the target audiences in the region. As a result of this meeting, staff is establishing training seminars for landowners in the area, working with Conservation Districts and rural municipalities to deliver the message, showcasing successful landowners in the area who have conducted sustainable woodlot management, and introducing field days and bus tours in the area.

The following actions resulted from discussions with Louisiana Pacific:

- Three Woodlot Management and Tree Planting Seminars were delivered in the Parkland Region during February/March 2007, in partnership with PFRA.
- A "Safe Chainsaw Handling and General woodlot Management Seminar" was held in January 2007 in Roblin, Manitoba in partnership with the Lake of the Prairies Conservation District and MAFRI.
- A "Woodlots and Waterways" Seminar was held in Swan River, Manitoba in March 2007 in partnership with a Manitoba Habitat Heritage program, entitled The Water's Edge, and MAFRI.
- A Woodlot Fall Field Day was held in October 2006 at Duck Mountain Forest Centre in Minitonas, Manitoba.
- A Maple Syrup Field Day was held in March 2007 in Swan River, Manitoba in partnership with the newly established Swan River Conservation District.
- A Spring Field Day was held in May 2007 at the Swan Valley Museum in Swan River, Manitoba.
- Woodlot Program staff showcased local landowners and their small scale harvesting equipment (horse logging and sawmill) at the Fall Field Day in October 2006.
- At the Spring Field Day in May 2007, Program staff showcased two landowners, one who owns a circular sawmill and another who operates small scale logging equipment.

Woodlot Program Components

The three components of the Woodlot Program are management plans, return visits and public education/extension. Brief descriptions of the three components and achievements for 2006/2007 are as follows:

Management Plans

The primary component/service offered by the Woodlot Program to the landowner is an initial "onsite" visit and the preparation of a Woodlot Management Plan. Following the visit, the Extension Officer prepares a detailed management plan based on the specific topics/objectives discussed during the "walk and talk". The plan, along with additional information required to carry out the recommendations in the plan, is presented to the landowner. Landowners are also invited to join various organizations such as the Manitoba Forestry Association (MFA).

During 2006/2007, 54 woodlot management plans were completed. Of these plans, nine were conducted in the expanded area of the Swan River Valley. Through discussions with industry and local representatives, there is a much needed demand for woodlot services in this area.

Since the beginning of the MFA woodlot program in 1992, staff has completed 1,089 management plans on 50,275.65 forested acres throughout 57 municipalities in Manitoba.

Return Visits

The second component of the Woodlot Program is the return visit. A return visit, after the initial "walk and talk", complements the written plan provided to the landowner. Return visits offer assistance to the woodlot owner who wishes to proceed with timber harvesting (Operational Return Visit) or has completed initial recommendations contained in his/her management plan and may want to carry out additional work in the woodlot (Technical Return Visit).

During an operational return visit, the MFA Extension Officer may provide a liaison service to landowners who need assistance in marketing their timber. This service is tailored to the needs of the individual landowner and the size and complexity of the proposed timber harvest. The technician will contact and arrange a meeting with a potential wood buyer, assist with securing a contract, monitor the harvesting operation and, possibly scale the wood.

The technical return visit is provided to landowners who either:

- have, or are in the process of completing recommendations contained in their woodlot management plan and request an evaluation of their ongoing silvicultural practices or,
- wish to advance to the next level of woodlot management.

Landowners in eastern Manitoba continue to become involved in small-scale timber harvests from their woodlots for economic benefits. While providing supplemental income for the landowner, these patch cuts improve the health of the overall woodlot and enhance wildlife habitat and recreational opportunities.

As the demand for fibre remained high in the first three-quarters of the year, many landowners were involved in small-scale commercial harvesting activities in eastern Manitoba. These landowners received operational return visits and the estimated volume for sawlogs/pulp/firewood from these activities for the 2006/2007 is 4,360 m^3 of softwood and 30,243 m^3 of hardwood. Market demand for poplar has maintained stumpage values in eastern Manitoba. Landowners continue to derive supplemental income through sustainable low impact harvesting.

The newly developed landowner database will provide detailed information on a variety of aspects relating to woodlot management activities. The database will soon be operational and will be able to

generate additional statistical information for next year's reports. Funding from the Manitoba Model Forest made the development of the database possible.

A total of 48 return visits were completed for landowners during 2006/2007.

Increased stumpage prices for aspen in the first three-quarters of the year have resulted in an increase in harvesting activities on private land. Some landowners felt the pressure to harvest their wooded areas and sought the advice of the Manitoba Forestry Association Woodlot Program staff to enable them to make informed decisions.

The percentage of landowner interest in management activities and production of specialty products from private land is as follows:

a) 32.7% - Traditional Tree Harvesting for Income. This includes harvesting for the sale of sawlogs and pulpwood, harvesting for value-added products such as planning, kiln drying and grading lumber for market within the community and for lumber used for on site building materials, and harvesting for firewood.

b) 14.3% - Non-Traditional Forest Products. This includes Manitoba maple syrup, mushroom production, jams/jellies, Christmas trees and hybrid poplars (Can-am, Manitou, Assiniboine and Walker) for pulpwood, sawlogs and future carbon sequestering benefits.

c) 53% - Environmental Benefits. This includes recreation (trail construction for snowmobiling, bird watching, hiking and skiing), wildlife enhancement, eco-tourism and tree planting (over 3.5 million seedlings planted by woodlot owners).

Public Education/Extension

The MFA delivers educational and extension activities as a part of the third and final component of the Woodlot Program. The Public Education/Extension component includes a variety of other woodlot activities such as woodlot education seminars, skills development seminars, bus tours, workshops and field days, as well as programming with groups and agencies supportive of woodlot management

Following is a list of activities undertaken by the Woodlot Program staff:

a) Evening Seminars and Special Presentations

As part of Manitoba Forestry Association's ongoing "Woodlot Series" evening presentations, numerous seminars were held throughout the province during 2006/2007. General Woodlot Management Seminars were held in Arborg, Stonewall, Steinbach, and Hadashville. A total of 110 people participated in these evening seminars, which generate numerous requests for personalized woodlot management plans.

Three seminars were held in Black River First Nation for young adults. A Chainsaw Safe Use and Non Timber Forest Product Seminar was held in May 2006 with 12 participants. A Best Management Practices Tree Planting Raining Seminar (classroom and operational field sessions) was also held in May 2006 with 15 participants using information from the Woodlot Best Management Practices (BMP) manual developed by the Woodlot Program. As a result of this seminar, the participants were hired by Tembec as tree planters. A Best Management Practices-Basic Sawmilling and Adding Value to your Trees Workshop" (classroom and operational field sessions) was held in November 2006 with 15 participants who were taught basic information pertaining to portable and stationary sawmills. Seminars were also held in Roblin, Swan River and Parkland Region.

The topics discussed at the Hadashville "Woodlot Management for Landowners Seminar" in March 2007 were poplar harvesting, Christmas trees, traditional forest products, tree planting, recreational benefits and wildlife enhancement.

b) Field Days and Workshops

The following field days and workshops were held during 2006/2007:

- In April 2006, an "Interlake Woodlot Management" workshop was held in Arnes, Manitoba with 12 landowners in attendance. Topics discussed included aspen management, timber volume assessment, harvesting techniques, pruning, release, as well as a variety of related silvicultural techniques focusing on timber production.
- In October 2006, a Woodlot Fall Field Day was held in Duck Mountain Forest Centre with 40 landowners in attendance. Demonstrations included proper tree planting techniques, chainsaw equipment, portable circular sawmill, horse logging and small scale logging equipment.
- A "Manitoba Maple Syrup Field Day" was held in March 2007 at Swan Valley Museum where the entire maple syrup process was demonstrated to 25 landowners.
- Fifteen growers and Woodlot Program staff attended the Manitoba Christmas Tree Growers Association's Insects and Diseases in the Plantation Workshop at the Timber Trails Tree Farm in May 2006.

c) Bus Tours

The MFA Woodlot Program in partnership with the Manitoba Model Forest, Woodlot Association of Manitoba and South Interlake School Division held the following tours: Ride the Wind-St. Leon's Windmill Farm and Salamander Museum Bus tour in July 2006 with 55 participants and Sandilands Sampler-Seeds, Soils and Sustainable Forests Bus Tour in August 2006 with 45 landowners.

d) Annual Meetings

MFA staff helped to organize the Manitoba Christmas Tree Growers Association Annual Meeting at Pineland Forest Nursery in Hadashville in September 2006 and delivered a review of the 2006 Woodlot Program activities at the Woodlot Association of Manitoba Annual General Meeting at Stonewall Quarry Park in Stonewall on January 13, 2007. Twenty members and guests attended. The President of the Eastern Prairies Saskatoon Growers Inc. delivered a presentation on growing saskatoons at the Stonewall meeting.

e) Seedling Distribution

The fourth annual "Day in the Pines" seedling distribution and Sandilands Forest Centre tour was held in May 2006 at the MFA's Sandilands Forest Education Centre. During the two-day event, over 130,000 trees were distributed to approximately 180 landowners.

f) Audio/Visual

A power point presentation was developed and used in association with the Best Management Practices manual. Presentations include proper tree planting for landowners, safe chainsaw use, insects and diseases of the woodlots, industrial tree planting and basics of sawmilling.

g) Program Promotion/Partnerships

Staff continues to be active with the Manitoba Model Forest Woodlot Working Group assisting in developing plans for the Model Forest Demonstration Woodlot near Grand Beach, offering technical assistance to develop woodlot trails and establish plantation sites, delivering Chainsaw Safety Seminars. Staff also works with the Manitoba Christmas Tree Growers Association Board of Directors to establish annual Choose and Cut Directory and establish advertising/marketing campaigns.

Other Partnerships

The Manitoba Forestry Woodlot Program partnered with the Manitoba Christmas Tree Growers Association and the Woodlot Association of Manitoba to deliver a variety of woodlot related initiatives on behalf of the Woodlot Program in 2006/07. This allows Woodlot Program staff the ability to concentrate on the delivery of Woodlot Management plans which are the most important component of the program.

The Woodlot Association of Manitoba produced six issues of "The Manitoba Woodlot" newsletter during 2006/2007 that included a variety of topics of interest to landowners.

Conclusion

The MFA Woodlot Program continues to be popular and in high demand. At the end of FY 2006/2007, 12 landowners were on a waiting list for a management plan and staff has appointments booked for walk 'n talks with interested landowners.

Woodlot management objectives vary between landowners as they manage their woodlots for environmental benefits, timber and non-timber forest products. However, small scale harvesting is becoming more frequent as demand for aspen continues.

Forty-eight return-visits to management plan participants show the continued interest of landowners involved in sustainable woodlot management. These return visits have now become an integral part of the Woodlot Program.

The Program continues to promote sustainable woodlot management opportunities to landowners across Manitoba. Through newsletters, field days, bus tours, seminars and general word of mouth, the program continues to help rural Manitobans manage their woodlots for economic, environmental and social benefits.

ORPHAN MINE SITE ASSESSMENT PROGRAM

Managing Department: Manitoba Conservation, Headquarters Operations
Date Approved: 2006/2007 Treasury Board Estimates Review Process
Total Amount Approved: $175,000.00
Total Amount Expended: $102,780.00

Summary:

Treasury Board approved a four year $1.0 million Broad Allocation ($250,000.00 annually) commencing in 2001/2002 under the Sustainable Development Innovations Fund for the Department of Conservation to undertake site specific human health and environmental site assessments at identified orphan/abandoned mine sites (Refer to Table 1).

TABLE 1

A total of $1 million was approved over a four-year period for the following assessment projects:

Location	Approved Amount	Assessment Project	Status	Total Expenditure to Date
Sherridon	$375,400.00	• Hydrogeological/chemistry study • Site Specific Human Health and Ecological Risk Assessment	- Completed - Initiated December 2002	$353,723.08
Lynn Lake	$384,600.00	• Site Specific Human and Ecological Health Risk Assessment	- November 2001 to March 2004	$391,096.58
Snow Lake, Baker Paton, Gods Lake	$250,000.00	• Site Specific Human and Ecological Health Risk Assessment	- Initiated in 2005/06	$177,780.00
Total				**$922,599.66**

Two assessments were initiated between 2001 and 2004, one at Sherridon and the other at Lynn Lake. The hydrogeological/geochemical study of the Sherridon mine tailings impoundment was initiated in 2001/2002. This study provided important environmental information on the impacts of the mine tailings on the adjacent water bodies and the data were applied to the site specific risk assessment that was initiated in 2002/2003 and completed in 2004/2005. Data were collected over the summer and early fall of 2001 with additional sampling work conducted in 2002/2003. This involved collection of groundwater and surface water samples around the mine tailings impoundment and assessment of hydrogeological/geochemical conditions. The samples were analyzed and the data assessed. The study determined that contaminants continue to be released to the aquatic environment and this will continue for the next 100 years. The information from the study was applied in the site specific risk assessment.

Both the Cold Lake/Sherridon and Lynn Lake Risk Assessments were completed in 2004/2005.

A request for proposals was issued during 2005/2006 for The Closure Report regarding the former Baker Patton mine site and Environmental Site Assessments for former God's Lake mine site and surrounding area and the Snow Lake Residue Pile, Lined Leach Basin, former Tailings area and surrounding areas. UMA Engineering Ltd. was awarded the contract for these former mine sites, which are being treated as one contract.

As the contract was awarded late in 2005/2006, work began early in 2006/2007. The contract services were provided for:

- review of existing environmental data, rehabilitation work and pertinent mine information,
- delineation of contaminants in the soil, sediment and surface groundwater based on CCME and/or Manitoba Surface Water Quality Guidelines,
- identification of groundwater flow direction and gradients, and
- provision of site assessment reports for the former Baker Patton mine site, God's Lake mine site and Snow Lake mine site by the end of 2006/2007.

The draft report has been submitted and is currently being reviewed.

APPENDIX I

Sustainable Development Innovations Fund
Five Year Expenditure Summary ($000)
For years ending March 31, 2001 - March 31, 2007

APPROPRIATION	Actual/Adjusted Expenditures				
	2002/03	2003/04	2004/05	2005/06	2006/07
Sustainable Development Innovations Fund	2,848.3	2,938.8	2,969.1	3,754.7	3,266.9
Total	2,848.3	2,938.8	2,969.1	3,754.7	3,266.9